

Historic, Archive Document

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1919

ADAMS'
SUPERB PEA

ADAMS' TESTED SEEDS

ESTABLISHED 1882

Oldest Seed
House in
Kansas City

ADAMS
PERFECTION TOMATO

CHINESE-
GIANT PEPPER

CHANTENAY
CARROTS

COUNTRY GENTLEMAN
SWEET CORN

PERFECTION
WHITE TIP RADISH

RED RIVER
OHIO POTATO

COPENHAGEN
MARKET CABBAGE

PARCEL POST RATES

Weight of Package in Pounds	Local Zone City of Kansas City	1st Zone Not over 50 mi.	2d Zone 51 to 150 300 mi.	3d Zone 151 to 300 mi.	4th Zone 301 to 600 mi.	5th Zone 601 to 100 mi.	6th Zone 1001 to 1400 mi.	7th Zone 1401 to 1800 mi.	8th Zone (Over 1800 miles)
1 lbs.	\$ 0.05	\$ 0.05	\$ 0.05	\$ 0.06	\$ 0.06	\$ 0.08	\$ 0.09	\$ 0.11	\$ 0.12
2 lbs.	.06	.06	.06	.11	.14	.17	.17	.21	.24
3 "	.06	.07	.07	.10	.15	.20	.25	.31	.36
4 "	.07	.08	.08	.12	.19	.26	.33	.41	.48
5 "	.07	.09	.09	.14	.23	.32	.41	.51	.60
6 "	.08	.10	.10	.16	.27	.38	.49	.61	.72
7 "	.08	.11	.11	.18	.31	.44	.57	.57	.84
8 "	.09	.12	.12	.20	.35	.50	.65	.81	.96
9 "	.09	.13	.13	.22	.39	.56	.73	.91	1.08
10 "	.10	.14	.14	.24	.43	.62	.81	1.01	1.20
11 "	.10	.15	.15	.26	.47	.68	.89	1.11	1.32
12 "	.11	.16	.16	.28	.51	.74	.97	1.21	1.44
13 "	.11	.17	.17	.30	.55	.80	1.05	1.31	1.65
14 "	.12	.18	.32	.32	.59	.86	1.13	1.41	1.68
15 "	.12	.19	.19	.34	.63	.92	1.21	1.51	1.80
16 "	.13	.20	.20	.36	.67	.98	1.29	1.61	1.92
17 "	.13	.21	.21	.38	.71	1.04	1.37	1.71	2.04
18 "	.14	.22	.22	.40	.75	1.10	1.45	1.81	2.16
19 "	.14	.23	.23	.42	.79	1.16	1.53	1.91	2.28
20 "	.15	.24	.24	.44	.83	1.22	1.61	2.01	2.40
21 "	.15	.25	.25	.46	.87	1.28	1.69	2.11	2.52
22 "	.16	.26	.26	.48	.91	1.34	1.77	2.21	2.64
23 "	.16	.27	.27	.50	.95	1.40	1.85	2.31	2.76
24 "	.17	.28	.28	.52	.99	1.46	1.93	2.41	2.88
25 "	.17	.29	.29	.54	1.03	1.52	2.01	2.51	3.00
26 "	.18	.30	.30	.56	1.07	1.59	2.09	2.61	3.12
27 "	.18	.31	.31	.58	1.11	1.64	2.17	2.71	3.24
28 "	.19	.32	.32	.60	1.15	1.70	2.25	2.81	3.36
29 "	.19	.33	.33	.62	1.19	1.76	2.33	2.91	3.48
30 "	.20	.34	.34	.64	1.23	1.82	2.41	3.01	3.60
31 "	.20	.35	.35	.66	1.27	1.88	2.49	3.11	3.72
32 "	.21	.36	.36	.68	1.31	1.94	2.57	3.21	3.84
33 "	.21	.37	.37	.70	1.35	2.00	2.65	3.31	3.96
34 "	.22	.38	.38	.72	1.39	2.06	2.73	3.41	4.08
35 "	.22	.39	.39	.74	1.43	2.12	2.81	3.51	4.20
36 "	.23	.40	.40	.76	1.47	2.18	2.89	3.61	4.32
37 "	.23	.41	.41	.78	1.51	2.24	2.97	3.71	4.44
38 "	.24	.42	.42	.80	1.55	2.30	3.05	3.81	4.56
39 "	.24	.43	.43	.82	1.59	2.36	3.13	3.91	4.68
40 "	.25	.44	.44	.84	1.63	2.42	3.21	4.01	4.80
41 "	.25	.45	.45	.86	1.67	2.48	3.29	4.11	4.92
42 "	.26	.46	.46	.88	1.71	2.54	3.37	4.21	5.04
43 "	.26	.47	.90	.90	1.75	2.60	3.45	4.31	5.16
44 "	.27	.49	.48	.92	1.79	2.66	3.53	4.41	5.28
45 "	.27	.49	.49	.94	1.83	2.72	3.61	4.51	5.40
46 "	.28	.50	.50	.96	1.87	2.78	3.69	4.61	5.52
47 "	.28	.51	.51	.98	1.91	2.84	3.77	4.71	5.64
48 "	.29	.52	.52	1.00	1.95	2.90	3.85	4.81	5.76
49 "	.29	.53	.53	1.02	1.99	2.96	3.93	4.91	5.88
50 "	.30	.54	.54	1.04	2.03	3.02	4.01	5.01	6.00
51 "	.30	.55	.55	1.06	PARCEL POST RATES ARE EASY TO UNDERSTAND, BUT IF IN DOUBT ASK YOUR POSTMASTER. WEIGHT LIMIT. We can now send packages of Seed weighing as much as SEV- ENTY POUNDS to the FIRST, SECOND, and THIRD ZONES. FIFTY POUNDS is the limit for the balance of the zones.				
52 "	.31	.55	.55	1.08					
53 "	.31	.57	.57	1.10					
54 "	.32	.58	.58	1.12	INSURED PARCEL POST Packages up to \$25.00 in value will be insured for their full value on payment of a fee of 5 cents for each package in addition to the regular post rates. Packages in value over \$25.00 will be insured for their full value, but not to exceed \$50.00 for a fee of 10 cents for each package in addition to the regular Parcel Post rates. If you desire your package insured, send the insurance fee in addition to the amount you send to pay for the goods—and be sure to mention same on your order.				
55 "	.32	.59	.59	1.14					
56 "	.33	.60	.60	1.18					
57 "	.33	.61	.61	1.18	POSTAGE COST OF SEED CORN BY PARCEL POST. 1st Zone2nd Zone3d Zone4th Zone5th Zone6th Zone 1 peek .18 .18 .32 .59 .86 1.13 1/2 Bu. .32 .32 .60 1.15 1.70 2.25 1 Bu. .60 .60 1.16				
58 "	.34	.62	.62	1.20					
59 "	.34	.63	.63	1.22					
60 "	.35	.64	.64	1.24	POSTAGE COST OF CLOVER SEED BY PARCEL POST. 1st Zone2nd Zone3d Zone4th Zone5th Zone6th Zone 1 peek .19 .19 .34 .63 .92 1.21 1/2 Bu. .34 .34 .64 1.23 1.82 2.41 1 Bu. .64 .64 1.24				
61 "	.35	.65	.65	1.26					
62 "	.36	.66	.66	1.28					
63 "	.36	.67	.67	1.30	1st Zone2nd Zone3d Zone4th Zone5th Zone6th Zone 1 peek .19 .19 .34 .63 .92 1.21 1/2 Bu. .34 .34 .64 1.23 1.82 2.41 1 Bu. .64 .64 1.24				
64 "	.37	.68	.68	1.32					
65 "	.37	.69	.69	1.34					
66 "	.38	.70	.70	1.36	1st Zone2nd Zone3d Zone4th Zone5th Zone6th Zone 1 peek .19 .19 .34 .63 .92 1.21 1/2 Bu. .34 .34 .64 1.23 1.82 2.41 1 Bu. .64 .64 1.24				
67 "	.38	.71	.71	1.38					
68 "	.39	.72	.72	1.40					
69 "	.39	.73	.73	1.42	1st Zone2nd Zone3d Zone4th Zone5th Zone6th Zone 1 peek .19 .19 .34 .63 .92 1.21 1/2 Bu. .34 .34 .64 1.23 1.82 2.41 1 Bu. .64 .64 1.24				
70 "	.40	.74	.74	1.44					

ORDER SHEET—T. LEE ADAMS SEED COMPANY

[illegible]

GIVE BELOW NAMES OF FRIENDS YOU THINK MIGHT BE INTERESTED IN HAVING OUR CATALOG, AND WE WILL SEND THEM A COPY.

[illegible]

ADDITIONAL ORDER SHEETS FURNISHED ON APPLICATION



GRASS SEEDS FOR LAWNS, PLEASURE GROUNDS, ETC.

The most beautiful feature of a city home or country estate is a well-kept lawn. Beds of many-hued flowers and stately trees embellish the surroundings, but it will be conceded that it is the rich, velvety, green lawn which completes the pleasing picture. In the luxuriant turf lies the whole secret.

HINTS ABOUT LAWNS—Their Formation and Care.

The ground should be thoroughly drained, and if not naturally rich, fertilizers should be added before sowing. For this purpose bone dust, crushed bone, or fertilizers containing bone and potash are the best. Use four or five hundred pounds per acre. For small plots, 10 pounds to about 400 square feet.

Work the soil by plowing or spading until thoroughly pulverized, being careful to leave the entire surface as near alike as possible, that the grass may be even in its growth; finish by harrowing or raking until made fine, and finally level by use of heavy roller.

Seeding may be done in spring or fall. If done during the hot months of summer, the ground must be kept moderately moist. With the ground prepared as directed, let the surface be gone over with a fine rake, and the seed evenly scattered, after which carefully rake or brush the seed in and follow with the roller. To secure the best results use plenty of seed—about 75 pounds per acre being the right quantity. One pound is sufficient for 300 square feet.

Let the grass get a good start before cutting—say a growth of 3 or 4 inches. When well rooted, a lawn should be trimmed with a lawn mower about once in ten days. No lawn can be maintained long in good order without successive rollings, which work should be done in the spring be-

fore the ground becomes dry. In very dry weather a thorough wetting should be given about once a week, a little water on a dry surface often doing more harm than good. Old lawns can be improved and renewed by the application of fertilizers and seeding about one-half the quantity for new lawns.

To pound price add for parcel post, if wanted by mail.

ADAM'S SUPERIOR LAWN GRASS SEED

Produces a perfect and enduring lawn of luxuriant richness, with closely interwoven, firm, deep and elastic turf, and it is often ready for cutting in four weeks from time of sowing. This celebrated Lawn Grass is composed of a thoroughly balanced combination of various native and foreign fine-leaved, deep-rooted grasses of interweaving habit, that flourish under our varied conditions, soils and climates, growing during different seasons of the year, so that a deep green, smooth and velvety sod, free from clumps, is maintained from snow to snow, year after year, and without burning brown in summer. Price: One pound, 35c; 3 lbs., \$1.00; 10 lbs., \$2.75.

Shady Place Mixture

Made up of grasses selected for locations shaded by trees or buildings. Lb., 35c; 3 lbs., \$1.00; 10 lbs., \$2.75.

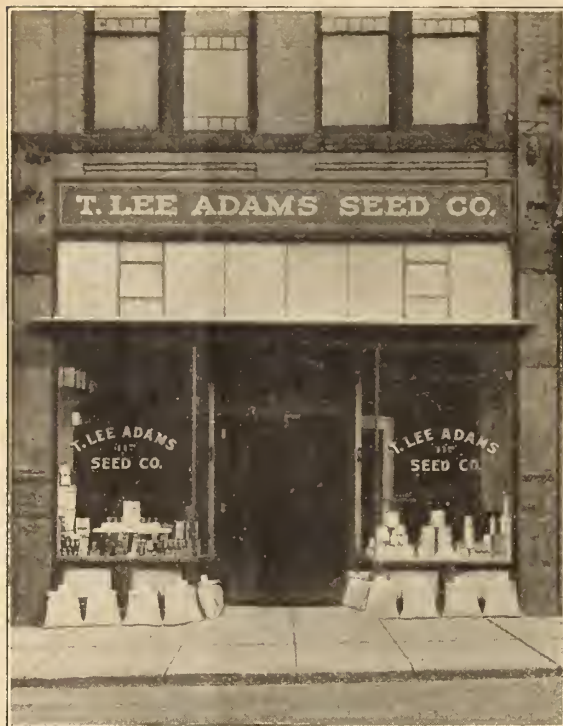
Fancy Kentucky Blue Grass

The list for lawns—1 lb., 35c., 3 lbs., \$1.00; 10 lbs., \$2.75.

White Clover

Very scarce this season. Extra fancy quality. Lb., 60c; 5 lbs., \$2.75, 10 lbs., \$5.00

SEASON OF 1919



To Our Friends and Customers:

We are the oldest seed house in Kansas City, over 37 years in business, and we sell to seventy-five per cent of the market gardeners.

Our trade has been increased rapidly and the past year faster than ever before, and there must be a reason for it: In the past we have endeavored by furnishing dependable SEEDS, giving prompt attention to orders, and courteous treatment to our customers, to meet this, and we assure you that in all of these particulars there shall be no decline in effort.

We have for years studied where and of whom to buy our seeds, and believe that today we know who grows QUALITY SEEDS or such as we furnish our customers, and from them we buy.

In 1909, realizing the necessity of the FRUIT GROWER protecting his trees from San Jose Scale, Coddling Moth and kindred pests, we added Horticulture Supplies and the trade in them has passed our expectations.

In 1911 we added INCUBATORS and BROODERS, for which we have many calls. We can offer you a first-class incubator at a reasonable price.

Remember that the ADAMS STANDARD is high, yet we aim to make further progress, and thanking you for your expressions of good-will in the past, we solicit your continued patronage.

INSTRUCTIONS TO PURCHASERS

MARKET GARDENERS

And those using large quantities of seed should send us a list of their requirements. Prices will be furnished promptly, and we can frequently make a substantial reduction on large orders.

Free Delivery

At the prices named in this Catalogue we deliver to any Post Office in the United States all Vegetable and Flower Seeds in packets, ounces and pounds, Free except Farm Seeds which if wanted by mail add postage as per zone rate.

If purchased in bulk (pecks, bushels or 100, lbs.) orders will be shipped by express or freight at the expense of the purchaser.

Kindly send us the names and addresses of your market gardener friends and we will mail a copy of our Catalogue free.

TERMS

Cash with all orders. We make no charge for boxes, packing or cartage. All goods delivered to transportation company free of charge. Bags will be charged extra at cost.

All plants are shipped at risk of purchaser.

All prices quoted in this list are subject to market fluctuations or to goods unsold.

Peas, Beans, Sugar Corn, Potatoes, field seeds, onion sets, net—no discount.

Discounts—On large orders of vegetable seeds we offer the following rates of discount for cash:

\$10.00 and under \$20.00	2 per cent
\$20.00 and over	5 per cent

GUARANTEE

We buy and sell THE BEST SEEDS THAT GROW. But it is impractical to guarantee seeds, as the best of seeds will fail under improper treatment. Some may be sown in too dry ground, or too wet, too deep or too shallow. Some hardy seeds stand cold weather and will grow where the soil is too cold for others and would cause them to decay. Insects may attack and destroy them. For these reasons we give no warranty, express or implied, as to description, quality, or any other matter of any seeds, bulbs or plants we send out

and we will not be in any way responsible for the crops. If the purchaser does not accept the goods on these terms, they are at once to be returned.

A pleased customer brings us two new ones.

We thank you for your liberal patronage and kind expressions and will always strive to merit your continued favors.

Wishing you a prosperous year, we remain,

Yours very truly,

T. LEE ADAMS SEED CO.

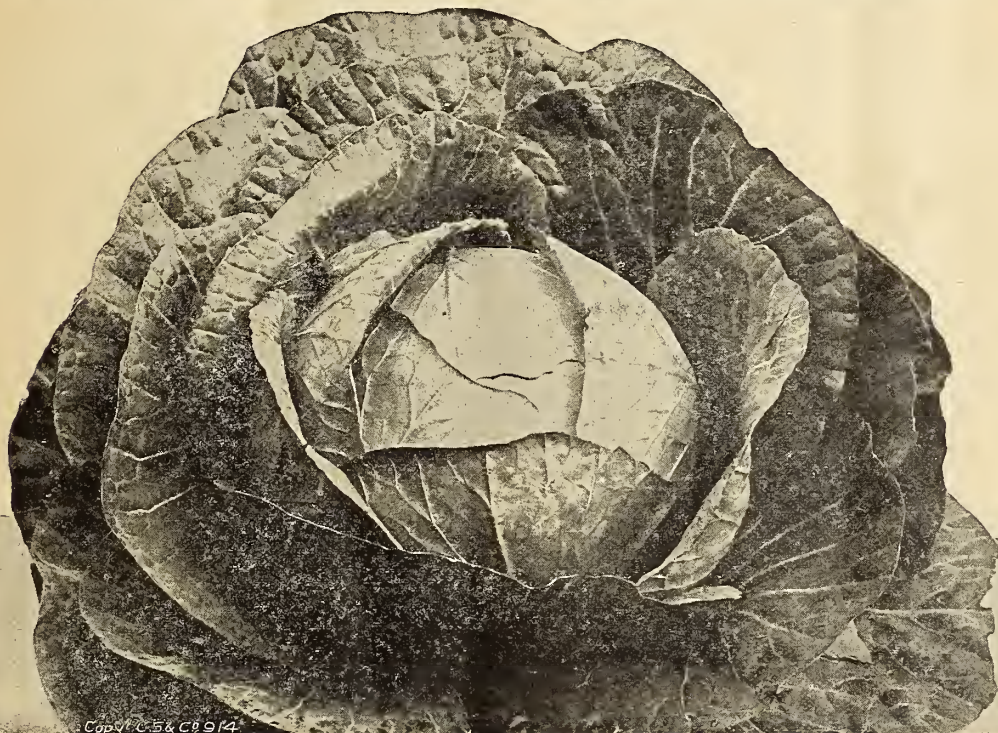
ADAMS' SEED SPECIALTIES

FOR 1919

COPENHAGEN MARKET CABBAGE

Without doubt the finest, largest round-headed early cabbage in cultivation. The type is fixed and heads mature all at the same time. This is a big advantage to the market gardener. The heads

are large, averaging about 10 pounds, are very solid and of fine flavor. It matures as early as the Wakefield and yield is much heavier. The plant is short stemmed. Color is light green. Seed from originator in Denmark. Packet, 10c.



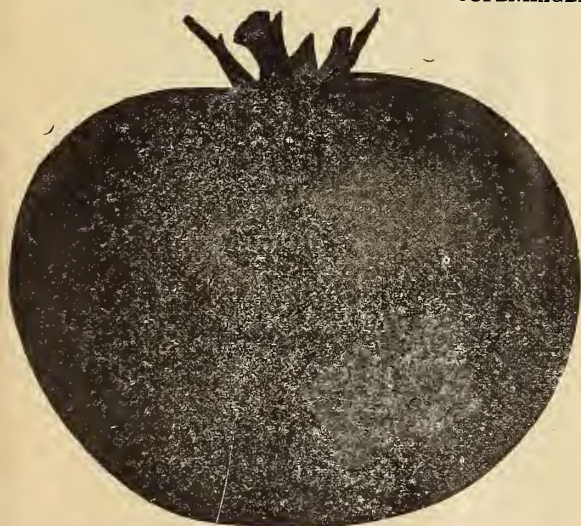
COPENHAGEN MARKET.

NEW TOMATO

ADAMS' PERFECTION

90 DAYS

One of the very best early tomatoes yet introduced. Vine vigorous and very productive. Fruits deep scarlet-red, nearly round or somewhat flattened, smooth, of large size and most excellent quality. They ripen very early and the pickings continue through a long season. Unsurpassed for home garden. Packet, 15c.



ADAMS' PERFECTION TOMATO.



ADAMS' SUPERB PEA.

NEW PEA ADAMS' SUPERB 52 DAYS

We believe that this new pea is of a type that has been wanted for a long time and that its cultivation in every garden will soon become a matter of course. Everyone knows Gradus or Prosperity and who has not wished for a dwarf of the same class? Very early and quite hardy, with large dark green pointed pods. Adams' Superb embodies all of the best points of Gradus or Prosperity but only grows 12 to 15 inches in height and thus requires no sticking. It is a heavier cropper than Gradus and in every respect a pea of the highest merit, and only requires to become known to be popular. Packet, 15c.



Giant Crimson Pepper.

GIANT CRIMSON

The earliest maturing of the extremely large, red sweet peppers and surpassed by none in evenness of size and shape. The plant is vigorous and upright, growing two and one-half to three feet high, larger than that of Chinese Giant and more productive. The fruits are of the largest size, ripen earlier than any of the other very large sorts and average heavier, as the flesh is exceptionally thick. Color deep green when fruit is young, deep crimson when matured; flavor very mild. Packet 10c.

Free!

We will give the following collection of either flower or garden seeds, (providing you mention same when ordering) with every order amounting to \$1.50 or over. Please mention whether flower or garden seeds are preferred.

Flower Seeds

- 1 pkg. Dwarf Nasturtium Mixed.
- 1 " Sweet Peas Mixed
- 1 " Zinnia Mixed
- 1 " Marigold Mixed
- 1 " Mignonette

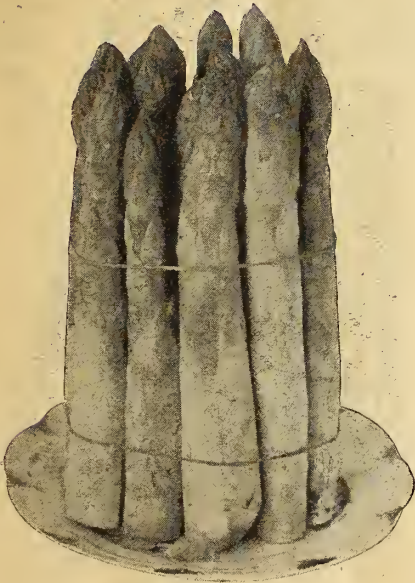
Garden Seeds

- 1 pkg. Canteloupe, Imp. rockyford
- 1 " Cucumber, Davis Perfect.
- 1 " Radish, Scarlet Turnip, W.T
- 1 " Tomato, Ponderosa
- 1 " Lettuce, Curled Simpson

ASPARAGUS

Descriptive Catalog of Vegetable and Garden Seeds

GARDEN SEEDS BY MAIL



PALMETTO.

Market Gardeners

And those using large quantities of seed should send us a list of their requirements. Prices will be furnished promptly, and we can frequently make a substantial reduction on large orders.

FREE OF POSTAGE OR EXPRESS CHARGES. Packets Ounces, Two Ounces, Quarter Pounds or Pounds, ordered at list prices, will be sent free by mail or express.

CULTURE—Beds are usually formed by setting roots. If you wish to grow plants from seed yourself, sow in spring in drills about eighteen inches apart and one inch deep. Planting fifteen or twenty seeds to each foot of row. Transplant same the next spring. If planted from roots, plant in rows eighteen inches apart eight inches deep and rows two and one-half feet apart.

COLUMBIAN MAMMOTH WHITE—A new variety with white shoots, stays white without earthing up or bleaching. Price: Packet, 5c; oz., 10c.

THE PALMETTO—A new production; is not only very early, but is also a good yielder, and is even and regular in its growth. Price: Packet, 5c; oz., 10c.

CONOVER'S COLLOSSAL—Has long been a standard variety. The shoots are of large size, very productive and of good quality. Price: Packet, 5c; oz., 10c.

BARR'S MAMMOTH—The stalks are very large, frequently an inch in diameter, and have close round heads. They are quick growing, tender and succulent, entirely free from woody fibre. Price: Packet, 5c; oz., 10c.

EARLY GIANT ARGENTEUIL—This variety has thus far been absolutely free from rust; valuable on account of earliness; produces an even growth and a large yield. Price: Packet, 5c; oz., 10c.

ASPARAGUS ROOTS—Can supply two-year old Roots of above varieties at \$1.00 per 100. \$3.50 per 1,000, at express office here.

BEANS

DWARF OF BUSH GREEN PODDED

For Prices on Larger Quantities of Garden and Field Seeds Send for our special price list.

Prices on all varieties of Bush and Pole Beans: Pkt., 10c; ½ lb., 25c; lb., 40c. **POSTPAID**, except where noted.

CULTURE OF BEANS—Beans are very sensitive to both cold and wet and it is useless to plant them before the ground is dry and warm. Plant in hills fourteen inches apart, about five beans to a hill, three inches deep. Making the rows about two feet apart. Cultivation should always be very shallow up to the time of blossoming.

EARLY BOUNTIFUL—Of thrifty growth and very hardy. The stringless and tender flat, green pods are produced very early in the season and the bush continues in bearing for a long time. It is practically a stringless Early Yellow Six Weeks.

BURPEE'S STRINGLESS GREEN POD BUSH—Is the first stringless green-pod dwarf bean in cultivation. It surpasses all others in crisp, tender flavor, and is also very prolific. The pods are ready to market one week earlier than Red Valentine.

LONGFELLOW—An extra early variety producing long green pods which are tender, brittle and stringless when young.

BLACK VALENTINE—A great improvement over the popular Red Valentine, the pods being perfectly round and straight, though not quite so early. It will withstand early and late frosts. Owing to the enormous yielding qualities and handsome appearance, it is a desirable sort for the market gardener.

EXTRA EARLY ROUND RED PODDED VALENTINE—This is one of the very best Snap Beans, being very early and of first-class quality. The pods are round, fleshy, crisp and tender. Very productive. The best Early Green Beans for the market gardener or private grower.

GIANT STRINGLESS VALENTINE—The Improved Valentine has for a long time been a very popular bean among market gardeners as well as those growing for their own table. In this new variety we have all the good points of the parent with some marked improvements. The pods, producing abundantly, are considerably larger, are round, full, fleshy and brittle.

LONG YELLOW SIX WEEKS—In many sections a popular market sort. When young, pods are of good quality. Very productive and hardy. Pods are long, straight and quite thick.

LIMA BEANS (Dwarf Bush)

CULTURE—Plant in light rich soil in drills two feet apart, dropping in from two to four seeds one foot apart in the row and cover three inches.

FORDHOOK BUSH LIMA—Similar to Burpee's Bush Lima except in size and are far greater producers, the blossom-bearing stalks are thrown well out of the foliage, and are ready for picking a full week earlier. Meat is of a very appetizing flavor. Whether you grow for home use or market, it will pay you to devote a good share of your garden to this "King" of all Limas. We wish we had space to devote to the many flattering reports received regarding this wonderful variety.

HENDERSON'S BUSH LIMA—A famous variety, grows in compact bush form, and produces enormous yields of truly delicious Lima Beans, yielding a continuous crop from July until frost appears.

BURPEE'S BUSH LIMA—A true bush form, growing 18 to 20 inches high, an immense yielding variety, each bush being laden down with very large beans of luscious flavor.

BEANS--DWARF OR BUSH WAX PODDED VARIETIES

PROLIFIC BLACK WAX, BLACK SEEDED—This improved strain of Black Wax we offer under this name is exceptionally productive, very hardy, reliable and of the best quality. It is very extensively used for snaps for the home garden and market. The plants are medium sized, erect in growth, with small foliage, very vigorous, early intermediate in season with longer bearing period than most sorts. The pods are of medium length, four and one-fourth to four and one-half inches, borne well up from the ground, curved, cylindrical and fleshy. They are of a clear, light golden yellow color and remain a long time in condition for use as snaps. Seed small, oblong, jet black.

PENCIL POD WAX—This very handsome black wax sort is medium early, fairly hardy and productive. It is one of the very best sorts for home use and for near markets where highest quality is desired. The plants are strong growing with roughened leaves. The pods are long, five and one-half to six inches, straight, round, fleshy and of a bright yellow color. They are tender, absolutely stringless and are produced through a long season. Seed long, round, medium sized, solid black.

CURRIE'S RUST PROOF WAX—It has been claimed that this variety, usually midseason but sometimes earlier maturing, is absolutely rust proof and we have found it as nearly rust proof as any wax podded bean. The plants are very vigorous, hardy and productive. The pods are light yellow, similar in shape to Golden Wax but longer, about five and one-half to six inches in length. Seed long, oval, rounded at ends, medium sized, purplish black. This is a well known market gardening and truckers' sort in some sections.

DWARF UNRIVALED WAX—The pods of this dwarf variety are longer than Golden Wax and a little lighter in color, are rather narrow and somewhat flattened but fleshy, and when in proper condition for use are very attractive on the market. This variety usually matures soon after our Golden Wax and is sometimes as early. The plants are large and vigorous with leaves similar to Golden Wax in color and shape but are a little larger. The pods when well grown are borne in abundance well up from the ground. Seed small, flat, slightly kidney shaped; color ochre-brown. This sort is suitable for market gardeners and is also used for the home garden. Price: Packet, 10c; ½ lb., 30c; lb., 50c.

WARDWELL'S KIDNEY WAX—This standard variety maturing a little later than Golden Wax, yields a large crop of long, nearly straight, broad, light golden yellow, handsome pods. These are of large size, about six inches long, and are of good quality. They always command a ready sale, making the variety one of the most profitable for the market gardener as well as shipper. This is also very extensively used for snaps for the home garden. The plants are strong growing and bear their long pods well up from the ground. The leaves are large, broad and slightly roughened. Seed large, flattened, kidney



DWARF UNRIVALED WAX.

shaped, white with dark markings about the eye. Packet, 10c; ½ lb., 30c; lb., 50c.

DAVIS WAX—This is also called Davis White Kidney Wax. It is a well known market sort, much used for shipping. The plants are very hardy and productive and the variety is very desirable where a handsome wax-podded, white seeded intermediate sort is wanted. The plants are very vigorous. The pods are remarkably long, about six inches, sometimes longer. They are handsome, light yellow, straight, very attractive and when young are crisp and tender. The dry beans are excellent for baking. Seed medium large, kidney shaped, clear white.

ROUND POD KIDNEY WAX—A very handsome midseason variety, especially desirable for snaps for the home garden. The plants are of strong growth, spreading and very productive. The leaves are large, broad and roughened. The pods are long and round, five and one-half to six inches, slightly curved, light yellow, wax-like, stringless and of the very best quality. Seed long, cylindrical, medium sized, nearly white with a little dark marking about the eye. Price: Packet, 10c; ½ lb. 30c; 1 lb. 50c.

KEENEY'S RUSTLESS GOLDEN WAX—The plants of this very hardy and productive second early or intermediate sort are strong, vigorous and have short runners, and rather small smooth leaves. The pods are about five inches long, oval-flat, stringless, light yellow, wax-like and handsome. Seed similar to a light colored Golden Wax.

HODSON WAX—One of the very best of the main crop sorts. Plant vigorous and very productive. Pods long, flat and of a creamy yellow color.

IMPROVED PROLIFIC BLACK WAX—This bean originated from the old Black Wax, but it is much superior to its parent. It is much more productive and the pods are longer, straighter and rounder.

IMPROVED GOLDEN WAX—An improvement on the old Golden Wax. Pods larger and more prolific.

BEANS—POLE OR RUNNING

Free of Postages or Express Charges.

CULTURE—A warm, sandy loam, enriched with well-rotted stable or poultry manure is best. Beans must not be sown until the ground is warm and dry. Plant 6 to 10 beans to a hill 3 inches deep. When well started, thin to 4 plants. Use 1 quart to 200 hills, 10 to 16 quarts to the acre. Plant lima beans 4 to 6 beans to a hill, eyes down, 3 inches deep. When well started, thin to 2 plants. Use 1 quart to 100 hills, 20 quarts to the acre.

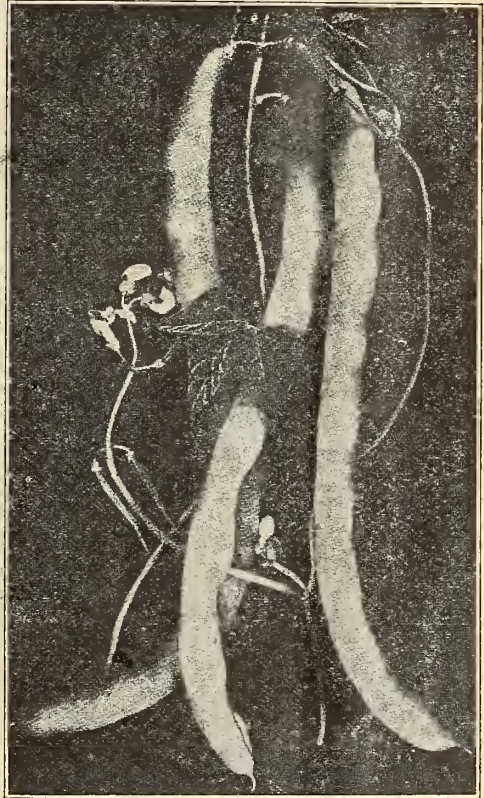
KING OF THE GARDEN LIMA—One of the largest and most prolific pole beans in cultivation, being a continuous bloomer and bearer to the end of the season.

LARGE WHITE LIMA OR BUTTER—Rich and finest flavor and estimated to be the best of pole beans.

SMALL WHITE LIMA, CAROLINA OR SIEVA—This very early and reliable small seeded pole lima is especially adapted for planting in the south. The vines are vigorous, with many short branches. The leaves are small, smooth, stiff, glossy dark green. The pods are dark green, short, about three inches, curved, flat. Seed small, flat, white with slight tinge of yellow. This is sometimes called Sewee. It is the most generally known "butter bean" of the south.

RED SPECKLED CUT SHORT OR CORNHILL—This extensively cultivated, green podded climbing sort, with red speckled, oval seed, is used largely in the south for planting among corn. It will give a good crop without the use of poles. The vines are medium sized, but vigorous, twining loosely with dark colored leaves. The snap pods are short, three to three and one-half inches, straight, flat to oval, fleshy and of good quality. The pods as they mature become light yellow tinged with red, the beans showing distinctly through the pod. Seed nearly oblong, cut off diagonally at the ends, light grayish white, covered about the eye and at one end with reddish or purplish brown, and irregularly dusted over most of the surface.

KENTUCKY WONDER—Also known as Old Homestead. We believe this variety is the most practically useful of the green podded pole beans suitable for use as snaps. It is an early, very prolific sort, with showy pods which are of most excellent quality. The vines are vigorous, climbing well and very productive, bearing pods in large clusters. The pods are medium light green, very long, often reaching nine or ten inches, curved and twisted, nearly round and very crisp when young, becoming very irregular and spongy as the beans ripen. Seed long, oval, slightly flattened, dun colored. One of the very best early pole snap beans for the home garden or market. The quality of our stock is unsurpassed.



KENTUCKY WONDER

KENTUCKY WONDER WHITE SEEDED—An early maturing green podded, white seeded pole sort desirable for snaps and unsurpassed in its class as green shell beans. The vines are vigorous and very productive. The pods are round, very long, often eight to nine inches, irregular in shape and quite stringless. The beans when shelled green are large, very tender and white, a very desirable feature when comparison is made with the colored beans of other varieties of this class. Seed medium long, oval or well rounded, solid white.

LAZY WIFE—One of the best of the later green podded pole beans for snaps or green shell use. The medium green pods, borne in large clusters, are five and one-half to six and one-half inches long, broad, thick, fleshy and entirely stringless. When young they have a rich, buttery flavor which is retained until they are nearly ripe. The dry beans are excellent for winter use. The seed is white, medium size, slightly oval or nearly round.

BEETS FOR TABLE

For Prices on Larger Quantities of Garden and Field Seeds Send for Our Special Price List.

Prices on all varieties of Garden Beets: Pkt., 5c; 1 oz., 15c; ¼ lb., 40c. POSTPAID.

CULTURE—For earliest use and market sow seed of any round sort under glass, in February or March, and transplant to open ground in March or April. Seed for main crop may be sown as soon as ground can be put into proper condition. For table beets sow in drills 14 inches apart, and thin to stand 3 to 4 inches apart in the rows. Use one ounce to 100 feet of drill, and cover lightly; 6 to 8 pounds per acre. The round

and turnip-shaped beets are best for spring and summer; the half long kinds for winter. Make successional plantings and cultivate freely. Beet tops are much used for greens, and and frequently form a profitable crop with many of our market gardener customers.

ADAMS' EXTRA EARLY—This is fully as early as and of much finer quality than the Egyptian; roots slightly flattened, very smooth and regular. The flesh is in alternate rings of light and dark pink, is particularly tender and sweet. Matures quickly; making a fine market crop in seven to eight weeks from sowing the seed.

ADAMS EARLY WONDER—The earliest of any beet in existence. It is of perfect globe shape with small tap roots. The color of the flesh is very dark red, which makes it splendid for pickling purposes. In flavor it cannot be beat. It is tender-sweet and juicy, retaining its crispness throughout the season. The foliage is of a very dark color, is very small, permitting close planting of beets. This is one of the best acquisitions of recent years.

THE ELECTRIC—The best second early beet. The Electric is a thoroughbred, remarkably uniform in shape and size with smooth, dark red skin, small leaves and a small tap root. The flesh is fine grained and tender; color, rich red, ringed with dark crimson. We recommend the Electric Beet to all those wanting an extra fine early table beet.

DETROIT DARK RED—A choice strain of dark red turnip. Fine globular or oval, smooth roots, with small tops; skin blood red, flesh dark red, zoned with a lighter shade, tender and sweet. Extremely popular for market and canning.

BEETS FOR TABLE---Continued



DETROIT DARK RED

CRIMSON GLOBE—Skin smooth and form regular. The flesh is a deep purplish crimson, slightly "zoned," sweet and tender. The foliage is small, of a rich bronze-purple.

EARLY BLOOD TURNIP—A well-known standard variety rich deep, blood-red color.

ECLIPSE—Has become exceedingly popular for its extreme earliness, possessing all of the qualities requisite in a first-class beet. The roots are bright, glossy red, fine grained and delicious.

CROSBY'S IMPROVED EGYPTIAN — The earliest beet in the market, a selection from the old market beet, Early Egyptian retains the earliness of the parent stock, and has added thickness, giving it a more desirable shape; it is the deepest red, almost black in color and of finer quality than the Egyptian, being sweeter and even more tender and smooth. The most desirable sort of small beets for early market.

EDMAND'S EARLY—The beets are of round form, very smooth, extra early, and of good marketable size. Skin and flesh deep blood-red; extremely tender.

DEWING'S IMPROVED—Quite early, round, turnip-shaped, of good size, with deeply colored flesh.

LONG SMOOTH BLOOD—An excellent late variety.

HALF LONG BLOOD—The roots are about one-half as long as Long Blood, but on account of their thickness, weigh quite as much. Always smooth, very sweet, crisp, tender, never becoming woody, even portions above ground; we consider this is the most valuable sort of recent introduction.

SWISS CHARD (Sea Kale Beet)—This kind of beet is grown exclusively for the numerous, fleshy, tender leaves and leaf stalks, which are superior to those of other beets for use as greens. Later in the season the wax-like leaf stems are cooked like asparagus or are pickled. This variety we offer has large, broad, undulated or chards. It is well worthy of a place in the home garden as well as for market use. Swiss Chard is sometimes called Leaf Beet, Spinach Beet and Silver Beet.

MANGEL AND SUGAR BEETS

CULTURE—Sow in the early spring as soon as ground can be gotten in proper condition, in drills 2 to 3 feet apart. Cover the seed with 1 inch of soil and thin to stand about 8 to 12 inches apart in the rows. Use 1 ounce to 100 feet of drill, 5 to 6 pounds per acre. A light loamy soil is best. Cultivate frequently. Keep free from weeds.

MAMMOTH LONG RED—A celebrated variety, sometimes called Jumho. A very heavy cropper growing enormous in size, but of fine texture and quality. Packet 5c; oz. 15c; ¼ lb. 40c.

FRENCH SUGAR—This variety unites capacity for a large yield with an exceedingly rich flesh, making it the best for cattle feeding. Packet 5c; oz. 15c; ¼ lb. 50c.

VILMORIN'S SUGAR—A variety out of which much sugar has been made abroad; skin a cream color, flesh white; an average of 15 tons can be produced per acre. Packet 5c; oz. 15c; ¼ lb. 50c.

GOLDEN TANKARD—Very showy, oval in form, flesh white, rich golden skin. Packet 5c; oz. 15c; ¼ lb. 40c.

BROCCOLI

The Broccoli is similar to the Cauliflower. They will produce heads in October and November, and should any plant not be forwarded enough to use before severe frost, let it be removed to a light cellar, where it will head during the winter. Packet, 10c.

BRUSSELLS SPROUTS—Packet, 10c.

DANISH GROWN SELECTED CABBAGE SEED



ST. LOUIS LATE MARKET

For Prices on Larger Quantities of Garden and Field Seeds
Send for Our Special Price List.
Sow one ounce for 3,000 to 4,000 plants; 4 ounces for one acre.

CULTURE—For plants of the earlier sorts sow seed in January or February under glass and set out in flats or frames about 2 inches apart each way. Transplant to open ground as soon in spring as the land can be properly prepared. A rich, warm, fibrous loam is best. Have the plants in the rows 20 to 24 inches apart, and rows at least 2 feet apart. Give thorough cultivation and irrigate in dry weather if practicable. Protect against the ravages of cutworm, maggot and green worm, dusting with tobacco dust, insect powder, etc.

EXTRA EARLY VARIETIES.

COPENHAGEN MARKET—The earliest large round-headed cabbage offered today. It is as early as Early Jersey Wakefield, heads perfectly round and very solid. It is very compact in habit and can be planted as close as Wakefield. The heads all mature at one time and will stand longer than the Wakefields before bursting. Heads average about eight pounds each. Unfortunately our crop of seed is very short this year. Packet 15 oz., \$1.50; $\frac{1}{4}$ lb., \$5.50.

EARLY JERSEY WAKEFIELD—The most popular very early cabbage with market gardeners all over the country. It is grown in enormous quantities for shipment to Northern markets. Unequaled for size, solidity, earliness, uniformity and trueness. Ours is a superior strain of seed. Packet, 10c; oz., 75c; $\frac{1}{4}$ lb., \$2.50.

CHARLESTON LARGE WAKEFIELD—Larger and later than the above variety. Valuable market sort. Packet, 10c; oz., 75c; $\frac{1}{4}$ lb., \$2.50.

GLORY OF ENKHUIZEN—This early variety is very sure heading and of excellent quality. The plants are of vigorous growth, with large, rather spreading outer leaves which are noticeably curved and frilled. The heads are globular or very nearly round, very solid and of large size for so early a variety. Packet, 15c; oz., \$1.25; $\frac{1}{4}$ lb., \$5.00.

SECOND AND LATE VARIETIES

EARLY DWARF FLAT DUTCH—This is a most valuable second early sort, having comparatively few and short leaves. Head large, nearly round, or slightly flattened, very solid and uniform in size and shape. Packet, 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

HENDERSON'S SUCCESSION—A very large, flat headed, main crop variety, and excellent in every point. Good for truckers. Packet, 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

BURPEE'S ALL HEAD—An excellent variety for family or market garden. Large sized flat shaped heads. Quality very fine. Packet, 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

HENDERSON'S EARLY SUMMER—A fine, large, early variety, valuable for market. Heads keep longer without bursting than most of the early varieties. Can be planted closely together on account of having few outer leaves. Packet, 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

ALL SEASONS—This is a grand second early cabbage, of large size and A No. 1 quality. Is also valuable as a late sort. Larger in size than Early Summer. Packet, 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

ST. LOUIS MARKET—This variety originated at St. Louis, where for many years it has been the variety most largely grown. Is now extensively grown for market in nearly every state. It is unquestionably the best large late sort. Packet, 10c; oz., 75c; $\frac{1}{4}$ lb., \$2.50.

PREMIUM LATE FLAT DUTCH—This meritorious cabbage is so well known that a description seems unnecessary. Packet, 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

LARGE LATE DRUMHEAD—Large, solid heads. A good shipper. Packet, 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

DANISH BALL HEAD—The most solid headed and best keeper, but not of large size. Packet, 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

SURE HEAD—Rightly named Sure Head, never failing to make a remarkably fine, solid head, with few outer leaves. It is a strong, vigorous grower, ripening late for main crop, and uniform in size and color. Packet 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

MAMMOTH ROCK RED—This is the finest variety of red cabbage, producing fine solid heads of extra good quality. Packet, 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

AMERICAN PERFECTION DRUMHEAD SAVOY—The Savoy Cabbage is not grown as much as it should be. The quality is very fine, especially after frost. Packet, 10c oz., 50c; $\frac{1}{4}$ lb., \$1.75.

CHINESE IMPROVED OR PE TSAI—The strain we offer resembles when well grown Cos Lettuce rather than Cabbage. It is often called Celery Cabbage on the market.

The leaves when young are crimped, of light green color and appear like smooth leaved mustard but with much broader and heavier midribs. The plant as it matures becomes more upright and forms heads much like Cos Lettuce. The inner leaves blanch an attractive light yellow or creamy white with very white midribs. It is of distinctive flavor, very mild and pleasant. It is served as a salad like lettuce or cooked like asparagus.

Sow in this latitude after July 1st at the same time as turnips. Early plantings of Pe-Tsai run quickly to seed in hot weather. Sow in drills fourteen to twenty inches apart and thin two or three times; or if grown for the market start in boxes and transplant like late cabbage. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

CARROTS

For Prices on Larger Quantities of Garden and Field Seeds
Send for our Special Price List.

Prices on Carrot Seed, except where noted, Packet, 5c; oz., 15c; $\frac{1}{4}$ lb. 45c. Postpaid.

CULTURE—The carrot will do well in any good, well-worked soil. For early use, sow the seed when the apple is in bloom, in rows fifteen inches apart, and when two inches high thin out so that the plants stand four inches apart in the row. For fall and winter use, sow the seed from the 1st to 15th of June. The roots may be stored in cellar or pit covered with dry sand, where they will keep fresh and solid until late in spring. Sow one ounce of seed to 100 feet of drill, 2 to 3 pounds to acre.

EARLY SCARLET HORN—A small, extra early sort, suitable for forcing or first early planting out of doors. They grow to a length of about two inches and almost as thick. When young, quite tender and fine grained.

DANVER'S HALF LONG—Very productive and will thrive on all classes of soil. Deep orange color, first-class keeper. Best quality.

LONG ORANGE—An old standard for general use. A sure and heavy cropper. Roots long, tapering, and of a deep orange color.

CHANTANEY—One of the finest of all carrots for home or market. Color deep orange red; about six inches long; stump rooted, smooth, and of excellent quality.

OXHEART OR GUERANDE—Roots short, but very thick, smooth and handsome; flesh fine grained, tender and sweet. A fine variety for early market; color orange yellow.

YELLOW BELGIAN—Similar to White Belgian except in color.

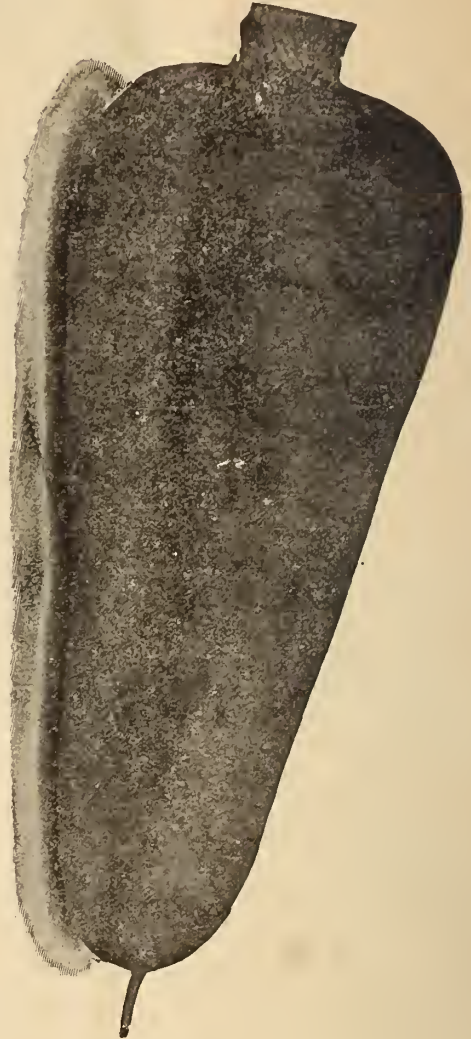
LONG WHITE BELGIAN—Roots very large. Grown exclusively for stock feeding.

CAULIFLOWER

CULTURE—A vegetable requiring very rich soil, and plenty of moisture and careful attention. Not as hardy as cabbage in resistance to hot, dry or cold weather. Sow in hot-beds in January or February and when plants are large enough transplant. Set plants out 15 to 18 inches apart and rows two feet apart. When the heads begin to form, tie up the outer leaves to protect the head from sun and weather. One ounce will produce 2,000 plants.



EARLY SNOWBALL.



CHANTANEY.

ADAMS' EXTRA SELECT DWARF EARLY ERFURT—The best in general cultivation for forcing and open ground. Head close, compact and large, measuring from 7 to 10 inches in diameter. Plants are quite dwarf and seldom fail to form a good sized symmetrical head of flower. Packet, 20c.

DANISH GIANT OR DRYWEATHER—This is a large variety, later than Snowball, and a very vigorous grower. On account of its leaf growth appears to stand the dry weather better than most varieties. Packet, 20c.

SNOW BALL—The best variety for general use. Of dwarf habit and produces fine large white heads in a very short time. Always tender and sweet. An excellent sort for either spring or fall planting. Our seed is grown in Denmark by a specialist and cannot be surpassed. Packet, 20c.

CELERY

CULTURE—Sow in drills and tread the seed firmly in; thin out to an inch apart and keep the ground well worked and free from weeds; shade the young plants for a week or ten days and do not let the soil dry out. In order to secure stock plants cut off the tops once or twice before transplanting, which should be done before July, after the plants have attained a height of 4 to 6 inches. Sow 1 ounce of seed for 5,000 plants, 4 ounces for one acre.

WINTER QUEEN—One of the best winter varieties and we recommend it especially to market gardeners. It is tall and forms a large bunch. The leaves are light green, which blanch to a creamy white. Grows a thick, solid, heavy stalk with a large heart. Packet, 5c; oz., 30c.

DWARF GOLDEN HEART—One of the best keepers through the winter. Packet, 5c., oz., 30c.

WHITE PLUME—This handsome sort is valued because naturally the stalk and portions of the inner leaves and heart are white; the whiteness does not show, however, until the plants are about one-third grown; it is unsurpassed for all use and the earliest celery in the market. Packet, 5c; oz., 30c.

PARIS GOLDEN SELF BLEACHING—Similar to the White Plume in its self-blanching characteristics, but of a deep golden yellow color. Packet, 25c; oz., 75c.

GIANT PASCAL—Grows two feet high; the stalks are very broad, thick and crisp, and of a rich nutty flavor. The heart is golden yellow, very full and attractive in appearance. It blanches very easily and quickly. Packet, 5c; oz., 30c.

CELERIAC, OR TURNIP-ROOTED CELERY—Sow seed same as celery. Transplant in rows two feet apart, nine inches in the row. Thorough cultivation is necessary to secure good roots. Earthing-up is not necessary. Roots may be cooked or used as salad. Packet, 5c; oz., 20c.

CHICORY

WHITLOOF—A delicious winter salad, eaten usually with French dressing like cos lettuce. The root is long like a parsnip but the part eaten is the top of the root, with the young leaves, usually best when forced in the winter. Packet 10c; oz. 40c.

LARGE ROOTED—Leaves and stems used as salad, like Endive; root edible; if dried, roasted and ground can be used like coffee. Packet, 10c; oz. 30c.

CHIVES

(Schnittlauch.) The Chives are small members of the onion tribe, leaves very slender and appear very early in the spring; can be shorn several times during the season and used for flavoring soups and salads. Bulbs, 20c per bunch, postpaid.

COLLARDS

(Georgia.) Headless variety of cabbage; the leaves used for boiling. Packet, 5c.

CORN SALAD

CULTURE—For winter use sow shallow in rows one foot apart during August or September. The plants are ready for use in six or eight weeks. When winter approaches give them a very light covering of bay or straw. The plants are hardy and will remain green and fit for use all winter. The seed may also be sown early in spring. Packet, 5c.

CRESS OR PEPPER GRASS

CULTURE—A refreshing salad of easiest culture. As soon as the ground can be worked in the spring sow thickly broadcast



WHITE PLUME.

or in rows eight inches apart. Repeated sowing may be made every two weeks for a succession.

DWARF FINE CURLED—A small pungent salad of easiest culture. Seed should be sown early in rows about fifteen inches apart, and covered lightly; when two or three inches high it is ready for use. It is often mixed with lettuce and imparts a warm agreeable taste to the salad. Packet 5c.

TRUE WATER CRESS—Succeeds only where the roots and stems are submerged in water. A highly prized salad of a pleasant and agreeable flavor. Should be planted wherever a suitable place can be found for it. Packet, 10c.

EGG PLANT

CULTURE—Thrives well in any good garden soil. Sow the seed in hotbed or greenhouse in March or April, and when an inch high pot in 2 or 3 inch pots or pot out in shallow boxes 4 inches apart each way. Plant in the open ground when danger of frost is past, in rows 3 feet apart each way. One ounce will yield 2,000 plants; $\frac{1}{4}$ pound for an acre. To prevent blight and bugs use Bordeaux Mixture with arsenate of lead, Paris Green or Bug Death.

IMPROVED NEW YORK—Best variety in cultivation, a sure cropper and of fine quality. Plants are large and vigorous; fruit very large, oval and a deep purple color; flesh white and tender. Packet 10c; oz. 50c.

BLACK BEAUTY—Fruit large, symmetrical and uniformly of a rich dark purple color. Fruits mature a little earlier than our Improved Large Purple, but are not quite as large. Packet, 10c; oz., 50c.

LARGE ROUND PURPLE—Twice the size of the New York Improved, very hardy and productive, and of superior quality. Packet 10c; oz. 50c.



BLACK BEAUTY.

ENDIVE

All Varieties, Packet, 5c; oz., 15c.

CULTURE—Sow in the spring as soon as the earth is free from frost, and repeat to within sixty days of autumn frost. Drill in rows of 2 feet and thin the plants to 8 inches apart. Tie up the loose leaves or cover with pots to blanch for salad. Valuable for salads and highly decorative as a garnish to table vegetables. Two ounces of seed to 100 yards of rows. Three pounds to the acre.

LARGE GREEN CURLED—A desirable salad when blanched. Popular as a garnish.

WHITE CURLED—A variety of white tint. Used for decoration.

MOSS CURLED—Green and extra curled. Used for decoration.

BROAD LEAVES—Called Escarolle in some districts. Foliage broad and flat. Most productive. A favorite salad

KOHL RABI

The edible part is the turnip-shaped bulb formed above ground. It is tender and excellent when used before fully grown, combining somewhat the flavors of cabbage and turnip.

CULTURE—Seed should be sown in light, rich soil as early in spring as possible in rows one and one-half feet apart and when well established thin to six inches apart in the row. Plantings at intervals of ten days will give a succession until hot weather, when they fail to grow well. Plantings may be made the latter part of July for fall use.

EARLY WHITE VIENNA—(Extra for Forcing)—This variety is extremely early with distinctly small tops. The bulbs are of medium size, very light green or nearly white, and are of best quality for the table if used when about two inches in diameter. Packet 10c; oz. 25c.



EARLY WHITE VIENNA.

WE WILL MAIL OUR SPECIAL PRICE LIST FOR MARKET GARDENERS AND TRUCKERS ON APPLICATION.

KALE OR BORECOLE

All varieties Packet 10c; oz. 25c; $\frac{1}{4}$ lb. 90c Postpaid.

CULTURE—Used largely for greens in fall, winter and spring. Can be sown broadcast or in drills eighteen inches apart from early September to the middle of October. Can also be sown in February and March, at which time the Spring or Smooth Kale is best to use. This is also used in the fall, as it makes greens quicker than other varieties. All should be protected with straw or coarse litter in winter, so that the plants can be cut throughout the season. Winter varieties can be sown at the rate of three to four pounds to the acre; the Spring Kale can be sown broadcast at the rate of eight pounds per acre, or four or five pounds in drills.

DWARF GERMAN GREENS, 60 DAYS—Sow in autumn for "sprouts" or "greens." Height 4 to 6 inches. Sow in permanent position.

TALL CURLED SCOTCH—Manage as winter Cabbage. Desirable for winter use. Height 2 to 4 feet. Sow in beds and transplant.

DWARF GREEN CURLED SCOTCH—Grows about 12 inches in height and spreads, under good cultivation, to three feet in diameter. The leaves are bright green, beautifully curled and very tender. Allow to get a slight touch of frost before using.

LEEK

CULTURE—Similar to Onions in flavor, being of the same family of plants, but do not form a thick bulb. Sow seed early as possible, half an inch deep, and when plants are large enough to handle transplant to rows 12 inches apart, setting plants six inches apart. Hillup as they grow to bleach the stems, or plant in a trench like celery and fill in as they grow. Seed may also be sown in September and transplanted in Spring. One ounce will sow 100 feet of drill.

LARGE FLAG—Well known and popular variety; hardy.

GIANT MUSSELBURGH—Very large, mild and of fine flavor. Packet, 10c, oz., 25c.

GARLIC

GARLIC—The sets should be planted in well enriched soil early in spring, the rows one foot apart, and about three inches between the plants in the row. Harvest same as onions. Sets, lb., 50c. Postpaid.

HORSERADISH ROOTS—Do best in rich loose soil, set slanting and covered two inches. Per doz., 15c; per 100, 75c. Postpaid.



LONDON FLAG.

LETTUCE

For Prices on Larger Quantities of Garden and Field Seeds Send for our Special Price List.

All Lettuce, except where noted. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; POSTPAID.

CULTURE—For early outdoor culture the seed may be planted in March, or as early as the ground can be worked. Sow in drills fourteen inches apart and thin the plants to four inches apart. For the heading varieties where large heads are desired plants should be thinned eight to ten inches to row. Lettuce should be grown very rapidly, therefore the soil should be as rich as possible, by liberal manuring and thorough preparation.

LOOSE LEAVED VARIETIES

BLACK SEEDED SIMPSON—We have a fine strain of this lettuce carefully selected. This is the most popular sort on the

market. Forms large, loose heads. Leaves thin and exceedingly tender, of light green to golden yellow. Best sort for forcing or outdoor early planting.

GRAND RAPIDS FORCING—Preferred by a great many to the Black Seeded Simpson on account of being a tougher leaved lettuce. This makes it a fine sort for shipping, as it does not break so easily, and stands longer without wilting. Fine appearance and strong grower, and will not rot as quickly as other sorts. A quick grower.

ADAMS' SATISFACTION—A large, loose hunching or non-heading variety, forming a large hunch of leaves which are very crisp and of a fine flavor. In color it is a light green and very attractive.

EARLY CURLED SIMPSON WHITE SEED.



GRAND RAPIDS

HEADING VARIETIES

LOS ANGELES—This very large heading lettuce is desirable not only as a garden variety for summer use but is much used as a fall and winter market sort, especially in the vicinity of Los Angeles. The plant is very large but compact and tight heading; outer leaves attractive deep green, broad, frilled at edges. The inner leaves form a large head, very sweet and tender when in condition for use.

ADAMS' WAY-AHEAD—A new, large, early head lettuce, with but few outside leaves, heads about 10 inches across and perfect. Its large heads are formed of waxy-cream colored leaves of extra fine quality, tender, crisp, succulent and sweet; and attractive and appetizing when served.

PRIZE HEAD—This variety has been in cultivation for many years and is well known to almost everyone. Forms loose heads; is slightly tinged with brown. Crisp and tender. Seed white.

COS LETTUCE—(Romaine)—This kind of lettuce is distinguished by its long, narrow, spoon-shaped leaves, folding into loose, sugar-loaf shaped heads which blanch better by having the outer leaves drawn about them and tied. The quality is distinct from that of the Cabbage Lettuces and by many is considered very superior. Sow seed early in spring in rich, well prepared soil, in rows eighteen inches apart, covering one-half inch deep. When plants have two or three leaves thin to three or four inches apart. As the plants begin to crowd thin and use as required. If large heads are desired plants should be thinned ten to twelve inches apart.

EARLY WHITE SELF-FOLDING—(Seed White)—This excellent variety, also called Trianon, forms a large light green plant with a well folded head of very good quality. The mid-ribs are white and very prominent. The inner leaves are nearly white, slightly tinged with green, and are decidedly firm and sweet. This is considered the most reliable of the Cos or celery lettuces for the home garden or market gardeners' use in this country.

UNRIVALED SUMMER—(Seed white)—A large, light bright green heading lettuce similar in habit of plant to Big Boston, but a trifle earlier maturing as an outdoor summer

variety and having no red or bronze shading on the leaves. Heads are large, firm and of excellent quality.

ADAMS' GOLDEN FORCING—A very popular variety, originated on our market in Kansas City. Used largely by our market gardeners, either for open ground or forcing. Light in color; sometimes called Golden Forcing and resembles the Denver Market, but not quite as near a head variety. This is used largely for forcing.

MAY KING—A new variety and it is a great favorite. It is very early and being hardy will stand considerable cold, damp weather. It can be planted out of doors or under glass, and in either case will produce fine, solid heads.

IMPROVED HANSON—This is an exceptionally fine variety, attractive in appearance, and of highest quality; good for either Spring or Summer crop. The leaves are curly and very crisp and the head is large. It also stands a long time before going to seed.

TENDER HEART—Shows a remarkable combination of earliness, firm heading, handsome appearance and fine quality. It is equally good for forcing and open ground, and has proven of the finest quality at all seasons. It is the earliest and one of the largest of the heading varieties. The head blanches to a fine rich buttery yellow tint, and stands longer than any other early variety before going to seed.

DENVER MARKET—This is a fine crisp, crimped head variety. It has a slight tinge of red at the edges of the leaves. The ribs are a waxy white, being tender and free from bitterness.

BIG BOSTON—Identical in color, shape and general appearance with the famous Boston Market, but is double the size. It is about one week later, but its solidity and greater size makes it a most valuable sort. Most desirable either for forcing in cold frames or open ground planting. Popular with market gardening and truckers because it always produces large, solid salable heads, which are crisp and tender.

MUSKMELON OR CANTALOUPE



IMPROVED ROCKY FORD.

For Prices on Larger Quantities of Garden and Field Seeds
Send for our Special Price List.

Prices on Muskmelons, except where noted. Packet, 5c;
oz., 15c; ¼ lb., 35c POSTPAID.

CULTURE—Melons do best in sandy soil or sod land and the ground should be made rich. The hills can be put four to six feet apart with ten to twelve seeds in each hill. Put the seeds an inch deep and when danger of frost is over thin to four good plants to a hill. Cultivation should be kept up as long as possible. One ounce of seed is sufficient for 50 hills; 2 pounds per acre. Plant in May and June.

EXTRA EARLY CITRON—A decided acquisition among cantaloupes. Earlier than any other; large, showy and of fine flavor. A variety which for its early maturity will be found profitable by all market gardeners and desirable also in the private garden till others come into condition.

GOLD LINED ROCKY FORD—A new, selected strain of Rocky Ford. We have developed in the Admiral Togo a small musk melon with the very thick, orange flesh and splendid quality of the Defender and possessing the characteristic netting, shape, size and shipping quality of Netted Gem or Rocky Ford. Combining all the good qualities of these two fine varieties we believe the Admiral Togo is an ideal table and basket melon.

EXTRA EARLY HACKENSACK—A large round melon, very early and of high quality. The flesh is green and deep. The rind heavily netted and ribbed. This variety is about ten days earlier than the regular type of Hackensack.

ADMIRAL TOGO—This is an orange fleshed Netted Gem or Rocky Ford. We have developed in the Admiral Togo a small musk melon with the very thick, orange flesh and splendid quality of the Defender and possessing the characteristic netting, shape, size and shipping quality of Netted Gem or Rocky Ford. Combining all the good qualities of these two fine varieties we believe the Admiral Togo is an ideal table and basket melon.

BURRELL GEM—The latest and best melon on the market. A combination of the Rocky Ford and Acme. Shape elongated, rind thin and tough, meat of a reddish orange, very thick, fine grained and spicy; seed cavity very small and triangular and the seed held closely in place in three lobes. The popular melon with hotels, restaurants and commission men. Sells for more money than any other melon on the market.

ROCKY FORD IMPROVED—This valuable cantaloupe has today the largest sale of any melon on the general market. They are very uniform in shape and size, weighing from 1½ to 2 pounds, skin green and thickly netted; flesh of light-green color and very sweet. The quality and flavor of these melons has never been equaled. It is a good keeper, hardy, and the best shipping variety ever introduced. Price; Packet, 5c.

PAUL ROSE—Combines the good qualities of Osage and Netted Gem. Is of medium size, oval, deep salmon flesh and extra fine flavor.

BANANA—An entirely distinct variety, bearing long, slender, banana-like fruit. Skin creamy white and entirely free from netting. Flesh deep salmon color, thick and of good quality.

HONEY DEW—The melon with an appropriate name—A new member of the melon family, propagated after seven years of experimenting, is being introduced to California soil by a representative of large melon shippers of Chicago. The new fruit which is called the Honey Dew melon, is a cross between the Rocky Ford cantaloupe and a South Sea Island fruit.

NETTED GEM—Practically the same as the "Rocky Ford." It has become one of the most popular of small, or basket melons. The description of the Rocky Ford is also to be applied to this variety. We offer an exceptionally fine stock.

MONTREAL MARKET—This variety is nearly round, flattened at the end, and very regularly ribbed; skin green, deeply netted; flesh remarkably thick, light green, melting, and of a delicious flavor. They are very regular in shape and uniformly grow to a very large size.

WATERMELON



TOM WATSON.

All varieties of Melons. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 25c.

CULTURE.—Watermelons do best on light, well drained soils, but there are varieties adapted to heavy loams. The hills should be 8 feet apart each way, with some well rotted manure in each hill, thoroughly incorporated with the soil. Plant the seed as soon as the weather is really warm and settled. One ounce of seed will plant 30 hills; 3 or 4 pounds of seed to the acre. Allow two or three plants to remain in each hill. Fight bugs with Bug Death.

FORDHOOK EARLY—This is an extra early melon, of oval form, small in size, handsomely striped with light and dark green, of good quality. Desirable for home use.

TOM WATSON—A large, oblong melon the skin of which is dark green. It averages 18 to 24 inches long and 10 to 12 inches in diameter and weighs 50 to 60 pounds. The rind is thin, but tough, and flesh a bright, attractive red color, crisp, sweet and delicious. The heart is large with no core. The appearance and quality of this melon makes it desirable for both home and market use.

KLECKLEY'S SWEET—Large oblong melon; skin green; flesh bright scarlet; very sweet and sugary; one of the best melons that has been offered. If you have a home garden you can't afford to be without this.

HALBERT'S HONEY—A large and attractive melon, oblong shape; rind dark green, flesh crimson; very sweet and tender.

GEORGIA RATTLESNAKE—One of the oldest and most popular sorts and frequently known as *Gypsy*. A large oblong variety with decided stripes of light and deep green. Rind is tough, but flesh is of good quality and bright red; a good shipping and market melon. Is quite as generally used by the large melon growers as Kleckley Sweets, and is perhaps barded and more profitable, being very easily grown.

SWEET HEART—Fruit large, oval, uniformly mottled, light and dark green; rind thin, but firm; flesh red, solid, melting and sweet.

PHINNEY'S EARLY—Few, if any, of the early sorts of recent introduction surpass this old favorite. It is first to ripen, of good size and productive.

COLE'S EARLY—Very hardy, a sure cropper, and extremely delicate in texture of flesh, which is of a dark red color, possess-

ing all the desirable features. Medium size, nearly round; rind green, striped with lighter shades.

PEERLESS—The old but extremely popular home market melon. There is none better, nor a more handsome melon grown.

MOUNTAIN SWEET—A large oval variety.

PRIDE OF GEORGIA—Round, large, crisp; bright red flesh.

JUMBO—Immense in size. The common weight of this melon is 60 to 80 pounds. In shape it is nearly round; color solid dark green.

BRADFORD—Shape long, color dark, with darker wave bands, flesh melting and excellent.

TRIUMPH—It is a cross between Duke Jones and Kolb's Gem. It has the handsome appearance and dark green color of the former and the shipping qualities of the Gem; medium season, very prolific, deliciously sweet and of enormous size.

SEMINOLE—An exceedingly productive variety, large size. Fruit oblong in shape; flesh solid, ripening clear up to the rind.

BLACK DIAMOND—A cross between Kolb's Gem and Hoosier King.

THE DIXIE—A cross between the Kolb's Gem and the Mountain Sweet; far superior to the former; larger, earlier and much more productive.

ALABAMA SWEET—This is undoubtedly one of the finest shipping melons ever put on the market. It covers an unusually long season; coming in early, it continues to bear longer than most of the other varieties. It is a large size, good in appearance and the flavor is delicious. The fact that it can be transported long distances will recommend it to all growers for market.

FLORIDA FAVORITE—This melon is very popular with shippers, because of its extreme earliness, and all round good qualities as a good shipper. In appearance it is similar to the Rattlesnake, the rind being considerably darker.

MUSHROOMS

LAMBERT'S PURE CULTURE SPAWN—Mushrooms may be grown in any place where conditions of temperature and moisture are favorable. A shed, cellar or cave may be utilized to advantage for this purpose. It is essential that the temperature be maintained from 53 to 60 degrees F., and that the moisture be properly regulated. Lambert's Pure Culture Spawn is far superior to the old style varieties and much better results can be obtained from its use. The bricks should be broken into pieces about two inches square and planted from ten inches to a foot apart. With every order of 10 or more bricks of mushroom spawn we send free of charge complete instructions for mushroom culture. Bricks weigh from 16 to 20 ounces. A brick will spawn ten square feet of bed. With Lambert's Pure Culture Spawn it is impossible to raise poisonous mushrooms. Per brick, 35c. Postage paid; 10 bricks, \$2.00; 25 bricks, \$4.50; 100 bricks, \$16.00, by express or freight, purchaser's expense.

Write for our book, "How to Grow Mushrooms," price 25c postpaid.



MUSHROOMS

MUSTARD

For Prices on Larger Quantities of Garden and Field Seeds
Send for our Special Price List.

All varieties of Mustard. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb. 25c.

CHAMPION MOSS CURLED.—Of vigorous growth, have beautiful dark green leaves which curve outwardly like a fine ostrich plume. Most productive from early spring sowing and also most sturdiest in running to seed.

SOUTHERN GIANT CURLED.—This mustard is very highly esteemed. Our stock is the true curled leaf.

WHITE MUSTARD.—Desirable for salad and culinary purposes.

BLACK AND BROWN.



CHAMPION MOSS CURLED

OKRA OR GUMBO

One ounce sows 50 feet of drill.

All varieties of Okra, pkt., 5c; oz. 10c; $\frac{1}{4}$ lb., 25c; **POST-PAID.**

CULTURE—Sow in May or June, after the ground is warm, in drills three feet apart, cover the seed with about 1 inch of soil and thin to 12 to 18 inches apart in the row. Use 1 ounce of seed to 100 feet of row; 8 pounds to an acre.

WHITE VELVET—A valuable variety characterized by its round, smooth pods, free from ridges and seams. It is the most prolific Okra now offered, bearing 16 to 20 remarkably white pods per stalk; all well filled with tender well-flavored fruit, rich in mucilaginous properties. Dried in the shade the pods can be used for soups at any time.

PERKINS MAMMOTH LONG POD—A dwarf-growing very early and prolific variety. Pods are long, slender, deep green and of fine quality.

DWARF GREEN—An early dwarf and prolific variety, with thick, green pods.



PERKINS MAMMOTH LONG POD.

ONIONS



SOUTHPORT RED GLOBE.

For Prices on Larger Quantities—Send for Special Price List.

CULTURE—Onions do best on a rich loam, previously cultivated for two years. Still clay and light sand are equally unfavorable. The land should be highly fertilized with well-rotted manure, complete fertilizers, etc. Fresh stable manure has a tendency to produce soft onions. Drill in 4 to 5 pounds of seed per acre, one-half inch deep. If sets are wanted, use 60 and 80 pounds of seed per acre. Fifteen to twenty bushels of sets will plant an acre. Fine marketable size onions (according to variety planted) are easily produced the first year from early spring sown seed. Culture should be frequent though shallow. The same ground may be used for onions, season after season, if well fertilized annually. Bone meal is an excellent fertilizer. Winter storage demands dryness and protection from sudden changes. Onions should never be handled while frozen.

RED WETHERSFIELD—We confidently recommend our strain of this favorite onion as the very best ever offered. It grows with unusual regularity, and yields of over 1,000 bushels per acre have been reported to us from various sections. Onions weighing from one to two pounds are frequently grown from seed. Extensively grown by gardeners who ship to distant markets. Packet, 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; **POSTPAID.**

SOUTHPORT LARGE RED GLOBE, SELECTED—All grown from selected hand-picked bulbs, none but those perfect in size and shape being set for seed. Packet, 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; **POSTPAID.**

YELLOW DANVERS FLAT—A good onion for home or market use. A trifle flatter than Yellow Globe Danvers. Packet, 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; **POSTPAID.**

SOUTHPORT WHITE GLOBE, SELECTED—All grown from selected hand-picked bulbs, none but those perfect in size and shape being set for seed. Packet, 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; **POSTPAID.**

YELLOW GLOBE DANVERS—One of the most extensively used main crop yellow onions for the home garden and market. The bulbs are of medium to large size, uniformly globe shaped, with small neck, and ripen very evenly. The skin is rich coppery yellow. The flesh is creamy white, crisp and of mild and excellent flavor. The variety keeps very well and is excellent for shipping. Packet, 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; **POSTPAID.**

WHITE PORTUGAL OR AMERICAN SILVERSKIN—This is a medium sized onion of mild flavor and with beautiful, clear, white skin. The variety is a favorite with many for use when young as a salad or bunching onion and for pickles. It usually matures about ten days earlier than White Globe, and is fine for fall and early winter use. It is an excellent medium early sort for gardeners who do not care to plant more than one variety. The bulbs are nearly round when of bunching size, somewhat flattened when mature. This is the best flattened white onions of northern latitudes. Packet, 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; **POSTPAID.**

MAMMOTH SILVER KING—This variety produces a very large onion, resembling Giant White Italian Tripoli, but of larger size, slightly later maturing and rather a better keeper, making the sort more desirable for the fall market. It is a very productive flat variety with bulbs often four to five inches across, the largest of the white onions. The skin is silvery white. The flesh is white, very tender and mild flavored. Packet 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; **POSTPAID.**

AUSTRALIAN BROWN—Long keeper, early, fine cropper. Packet, 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; **POSTPAID.**

PRIZE-TAKER—Globe shape with a bright straw colored skin, small neck, grows to an enormous size from the seed the first year. Packet, 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; **POSTPAID.**

WHITE BERMUDA—These onions grow to an immense size. The skin is very thin, flesh white, fine grained, of mild and of pleasant flavor. It will grow an onion from 1 to 1½ pounds from seed the first season. Packet 20c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; **POSTPAID.**

RED BERMUDA—Packet, 15c; oz., 40c; $\frac{1}{4}$ lb. \$1.25; **POSTPAID.**

ONION SETS

Postage and Express to be paid by purchaser.

32 pounds per bushel
RED BOTTOMS—1 lb., 20c; 10 lbs., \$1.50.
YELLOW BOTTOMS—1 lb., 20c; 10 lbs., \$1.50.
RED TOPS—1 lb., 25c; 10 lbs., \$2.00.
WHITE BOTTOMS—1 lb., 25c; 10 lbs., \$2.00.
WHITE MULTIPLIERS—1 lb., 25c; 10 lbs., \$2.00.
WINTER TOPS—1 lb., 20c; 10 lbs., \$1.75.

Prices subject to change.

PARSNIPS

CULTURE—Parsnips are usually grown on deep, rich, sandy soil, but will make good roots on any soil which is deep, mellow and moderately rich. Fresh manure is apt to make the roots coarse and ill shaped. As the seed is sometimes slow and uneven in growth, it should be sown as early as possible in drills two and one-half feet apart; cover one-half inch deep and press the soil firmly over the seed. Give frequent cultivation and thin the plants to six inches apart in the row.

HOLLOW CROWN OR SUGAR—An excellent variety for the table. The roots are long, with smooth white skin, uniform in shape, tender and of the best quality. The variety is easily distinguished by the leaves growing from the depression on top or crown of the root. Packet, 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; **POSTPAID**.

PARSLEY

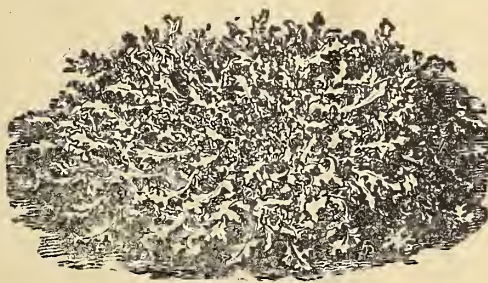
CULTURE—Parsley is easily grown, only it takes several weeks for it to come up, hence the ground where it is sown is often covered with weeds or dug over with the belief that the seed is no good. The seed may be soaked several hours in warm water before sowing which will hasten germination. Sow it early in the spring in rows a foot apart. It can also be used to horder beds, making a very pretty effect. One ounce will sow a 150-foot row. A few plants can be taken up in the fall and put in pots or boxes in a sunny window and will continue to furnish leaves for flavoring or garnishing throughout the winter.

MOSS CURLED—A very fine strain with beautiful foliage; useful for all purposes. Packet, 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; **POSTPAID**.

PLAIN—Hardy and vigorous grower. Not as mild a flavor as the above. Pack., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; **POSTPAID**.



HOLLOW CROWN.



PARSLEY

PEPPER

All Peppers.—Packet, 10c; oz., \$1.00; **POSTPAID**.

CULTURE—Sow the seed $\frac{1}{2}$ inch deep in hothed, greenhouse or warm window, in March or April. After all danger of frost, set out in open ground. A warm, moist soil is best, with plenty of rotted manure plowed under. Set in rows 2 to 3 feet apart and 18 inches apart in the rows. Cultivate frequently throughout the season to keep the soil mellow and free from weeds. One ounce will produce about 1,500 plants; $\frac{1}{4}$ pound to transplant for an acre.

CHINESE GIANT—Is the earliest, largest and best of all the large red peppers grown, fully double the size of Ruby King.

RUBY KING—A mild flavored pepper of large size, from four to six inches long by three and one-half to four inches thick. Unequaled by any other variety.

GIANT CRIMSON—The earliest maturing of the extremely large, red, sweet peppers, and surpassed by none in evenness of size and shape. Larger than Chinese Giant; earlier than any of the other very large sorts.

BELL OR BULL NOSE—Has an exceedingly thick meat and is the most desirable for slicing or stuffing. Can be eaten like an apple. Louisville truck growers and gardeners use it extensively.

OHIO CRIMSON—The sweetest, largest and best of all peppers. It makes robust and heavy plants, large producer, very mild. Preferred by all market gardeners.

LONG RED CAYENNE—A long, slender red pepper, very hot and pungent.



RUBY KING

PEAS

CULTURE—Sow as early as possible a few of some of the early varieties in warm sandy soil. The seed can be sown in rows in a very satisfactory way. It is best to sow in an open way with a hoe, the full width of it and broadcast the seed thinly in the bottom. Later plantings should be of the wrinkled varieties, they are better yielders, sweeter and very highly flavored, a pint will sow a row of fifty feet. Use from one and a half to one and three-quarters bushel to the acre making rows from two and one-half to three feet apart. Ground should be cultivated about every two weeks, keeping weeds and grass free from same. Early varieties will mature in about fifty or sixty days, later varieties in about seventy to eighty-five days.

EXTRA EARLY VARIETIES

Postage or Express paid by us.

SURPRISE, OR ECLIPSE—A fine, bardy, extra early dwarf, large podded variety. Pods large, on order of Laxtonian; both pods and vine dark green. Peas are large, smooth, blue, and will stand earlier planting than the wrinkled sorts. Quite similar to Pilot, but earlier and more dwarf. Height 1½ feet. Packet, 10c; ½ lb., 20c; 1 lb., 35c.

PIONEER—An improved type of Laxtonian. Large, dark green pods, of fine quality. One of the best for market or private gardens. Height 1½ feet. Packet, 15c; ½ lb., 25c; 1 lb., 40c.

BLUE BANTAM—It is a dwarf vine pea, is early and bears very long pods, which pods are of a splendid deep green color and the peas themselves are peculiarly deep green. We have grown it for two successive seasons and find it a heavy cropper, over early and a splendid pea. Packet, 15c; ½ lb. 25; 1 lb., 40c.

NEW EXTRA-EARLY "PILOT"—This reselected stock will surely delight planters. The Pilot is "far and away head" of all other early round-seeded first early peas. The pods and peas are nearly as large as those of Gradus, while they are produced three days earlier—as early as the best selected small smooth-seeded extra-earlies. They can be planted, of course, much earlier than Gradus, and while not wrinkled, the peas are almost equal in flavor. The vines, of vigorous growth, attain a height of three feet and bear through out the length of the baulm quite a large proportion of pods in pairs. Packet, 15c; ½ lb., 25c; 1 lb., 40c.

ALASKA—The best early green seeded variety. Very early and uniform grower. A popular sort with canners and shippers. First-class in every respect. Height, 2½ feet. Packet, 10c; ½ lb., 20c; 1 lb., 35c.

AMEER—Seven to ten days earlier than Alaska, which it resembles in growth, but pods are much larger and slightly curved. Packet, 10c; ½ lb., 20c; 1 lb., 35c.

FIRST AND BEST—Ahead of all others in earliness and productiveness. It has held the lead for many years on the market, and is the best first early variety for the market gardener. It is very prolific and ripens so uniformly that the vines can be cleaned at one picking. Packet, 15c, ½ lb., 25c; 1 lb., 40c.

AMERICAN WONDER, 52 DAYS—Vine 6 to 8 inches high and very prolific in pods of striking form and size. In maturing it is among the first earlies. Packet, 10c; ½ lb., 20c, 1 lb., 35c.

NOTT'S EXCELSIOR, 54 DAYS—An improvement on American Wonder, a shade earlier and larger podded. Vine almost identical. Packet, 10c; ½ lb., 20c; 1 lb., 35c.

LITTLE MARVEL—18 inches. The ideal pea for the home garden, early and enormously productive. Pods borne in pairs; they are about 2½ inches in length, well filled with large peas of delicious flavor. This variety is taking the place of some of the older and better-known dwarf peas. Packet, 10c; ½ lb., 20c; 1 lb., 35c.

GRADUS, OR PROSPERITY—Without doubt the finest extra early pea yet introduced; it is in condition to pick four days after First and Best or Ameer. The pods are very large and well filled, with large wrinkled deep green peas of the very finest quality. Height, 3 feet. Packet, 15c., ½ lb., 25c; 1 lb., 40c.



THOS. LAXTON.

THOS. LAXTON—The only rival to the famous Gradus—as a long podded extremely early wrinkled pea. The growth is identical, but the pods are a deeper, richer green and square at the end. In the opinion of some experts, Thos. Laxton is even sweeter and finer in flavor, while as the large peas are of a deeper green, they present a more attractive appearance on the table. The crop ripens only three to four days after Gradus. Packet, 15c; ½ lb., 25c; 1 lb., 40c.

INTERMEDIATE VARIETIES

LAXTONIAN—This is an ideal market and home garden pea, medium dwarf in habit of growth, but with very large pods, averaging 5 to 6 inches in length. Laxtonian seldom has any blank spaces in the pods. Packet, 15c; ½ lb., 25c; 1 lb., 40c.

PREMIUM GEM—Dwarf, prolific, green wrinkled marrow. Is very early and of good quality. Larger and more vigorous than American Wonder and later. Height, about 15 inches. Packet, 10c; ½ lb., 20c; 1 lb., 35c.

BLISS EVERBEARING—Grows from one and one-half to two feet high, of branching habit, pods from three to four inches long, containing from six to eight of the very largest peas, of particularly rich flavor. Unsurpassed in quality and very productive, continuing a long time in bearing. Packet, 15c; ½ lb., 25c; 1 lb., 40c.

PEAS--Continued

ALDERMAN—It is one of the finest of the large-podded summer varieties. The vine grows five feet in height and is of a rich dark green coloring, as are also the large pods. Pods frequently measure nearly six inches in length and contain from eight to nine very large peas of superior flavor. Packet, 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c.

PRIDE OF THE MARKET—A round, blue pea, with pods of enormous size, well filled. Requires no sticks and unequaled for productiveness. Of vigorous growth, attaining a height of eighteen to twenty-four inches. Packet, 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c.

IMPROVED STRATEGEM—One of the best of the large podded, semi-dwarf main crop varieties. The vines are very sturdy, about two to two and one-half feet high, with medium dark green foliage. The pods are very large, often four and one-quarter to four and one-half inches long, pointed, dark green, and uniformly filled with very large, dark green peas of the finest quality. Packet, 15c; $\frac{1}{2}$ lb., 25c., 1 lb. 40c.

PUMPKIN

All Pumpkins Packet, 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; except where noted.

CULTURE—Pumpkins will grow almost anywhere, but rejoice in rich soil. In many varieties the size and weight depend almost wholly on culture and fertility of the land. Many pumpkins are exceptionally good for pies; other sorts are fit only for feeding live stock. Plant in hills 8x8 feet. Use one-fourth pound for seventy-five hills; three to four pounds per acre. Put seed in ground in May or June. Fight bugs with Bug Death, Slug Shot or air slacked lime.

LARGE CHEESE OR KY. FIELD—A popular variety. Fruit flattened, skin mottled light green and yellow; flesh tender; excellent quality. Packet, 5c; oz. 10c; $\frac{1}{4}$ lb., 35c.

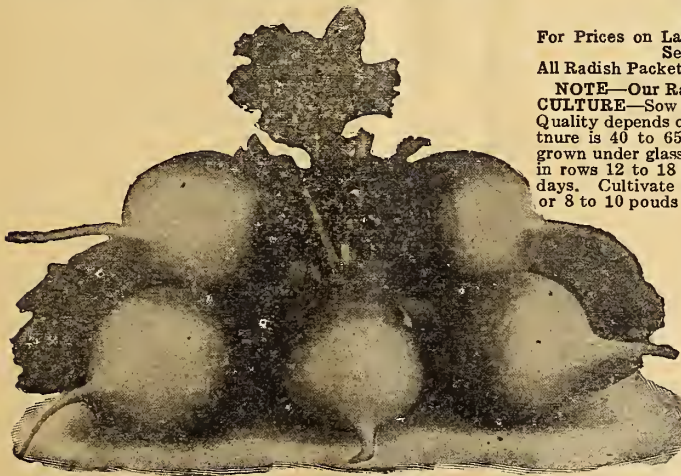
SWEET POTATO—Pear shaped; size medium; creamy white in color, sometimes striped with green flesh grained and very sweet.

SMALL SUGAR—Hansome and prolific; of small size, averaging about 10 inches in diameter. Skin deep orange yellow. Fine grained, sweet, dry and an excellent keeper; a good table variety.

CONNECTICUT FIELD—One of the best for field culture. can be grown with corn, largely used for stock feeding. Deep, rich yellow color. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 35c.

KING OF THE MAMMOTH—no other pumpkin ever introduced, has ever reached such enormous weights. Flesh and skin of bright yellow, very fine grained, of splendid quality, and notwithstanding its enormous size, it is one of the best pie pumpkins grown, and a good keeper.

CUSHAW—A prolific variety; large size, frequently weighing 60 pounds and over; color white striped and mottled with green.



ADAMS PERFECTION WHITETIP.

LATE VARIETIES

TELEPHONE—Very productive, of fine quality and excellent sugary flavor. Pods grow very large and closely packed. Packet, 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c.

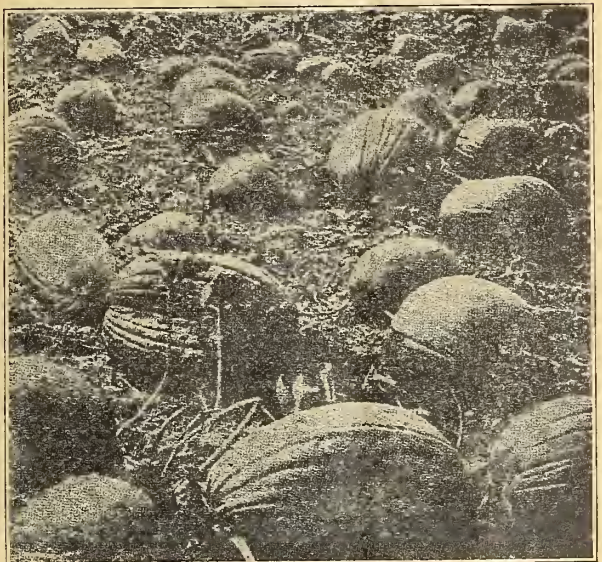
TELEGRAPH, 67 DAYS—Height, 3 $\frac{1}{2}$ feet. Resembles Telephone except that the peas are deeper green and the vines more productive. Pods large and showy. Packet, 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c.

CHAMPION OF ENGLAND—Universally admitted to be one of the richest and best flavored peas grown, and very productive. Height, 4 to 5 feet. Packet, 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c.

LARGE WHITE MARROWFAT—One of the oldest varieties in cultivation and a favorite market sort. Pods large, well filled and of excellent quality. Packet, 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c.

BLACK EYE MARROWFAT—An excellent variety, growing about 5 feet high; pods large, a prolific bearer and can be recommended as one of the very best Marrowfat sorts. Packet, 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c.

Send for Our Special Price List.



KING OF MAMMOTH.

RADISH

For Prices on Larger Quantities of Garden and Field Seeds Send for Our Special Price List.

All Radish Packets, 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; except where noted.

NOTE—Our Radish Seed is French grown.

CULTURE—Sow in ground, well enriched with rotted manure. Quality depends on quickness of growth. The proper temperature is 40 to 65 degrees. Good ventilation is necessary, if grown under glass. Sow seed $\frac{1}{2}$ inch deep in the early spring in rows 12 to 18 inches apart; for a succession sow every 10 days. Cultivate frequently. One ounce to 100 feet of drill, or 8 to 10 pounds per acre. Thin to 1 inch apart for small varieties and 3 to 4 inches for the large varieties. Radishes will mature in from 3 to 5 weeks.

ADAMS' PERFECTION WHITE TIP—A very popular variety and largely grown for market. Small, round, turnip-shaped, of brightest scarlet, tipped with clear white; very quick to mature and handsome in appearance. Packet, 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

EARLY RAPID RED—The famous small round red, radish so much in demand everywhere. Crisp, tender, solid and brittle.

RADISH--Continued

SPARKLER.—This is a new extra early, white-tipped, round radish. It is distinct in that the white tip is larger and more pronounced than in any other sort. Much more of the root is white than shown in our illustration, and the contrasting colors being so nearly equal gives it a more attractive appearance than any of the varieties now on the list. Well adapted for either forcing in frames or for the private garden. Will brighten the whole table if placed in a glass dish where colors show to good advantage. Quality unsurpassed; remain solid and crisp a long time.

ADAMS' SCARLET GLOBE.—Twenty days to maturity. A small leaved variety well adapted to forcing under glass; root round and carmine colored, early, very attractive and desirable, fine for forcing. Packet, 10c; oz., 20c; $\frac{1}{4}$ lb. 60.

VICKS SCARLET GLOBE.—This is an excellent extra early forcing radish. The roots are small, nearly round, and of bright scarlet color. Tops very small; flesh white, crisp and well flavored. One of the handsomest of the forcing varieties. Packet, 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

FRENCH BREAKFAST.—Olive shape; very mild and tender; scarlet, tipped with white. Is early and very attractive in appearance.

PHILADELPHIA WHITE BOX.—The famous white turnip-shaped or globe-shaped Radish is the foremost of its class. It is an excellent Radish for forcing under glass or for growing in the open ground. Its short top and rapid growth makes it a great favorite with market men, and its mild, sweet quality wins the favor of the consumer. Extensively grown by gardeners everywhere.

EARLY WHITE TURNIP.—Of the same size and form as the Scarlet Turnip, which is so well known.

WOODS' EARLY FRAME, LONG SCARLET.—Shorter and thicker than the old Long Scarlet.

LONG SCARLET SHORT TOP.—The well known market variety. More of it used than any other sort.

WHITE STRASBURG.—Half long, very brittle and one of the best for summer use; a good heat resister.

WHITE LADY FINGER.—Of slender graceful form and remarkably crisp, brittle and tender. Not so good as Icicle for forcing but has long been popular for open ground culture.

IMPROVED CHARTIER OR SHEPHERD.—One of the best long radishes for planting outdoors for early summer use in the home garden, and used also for the market. The tops are

of medium size. The roots are in good condition for the table when half an inch thick and continue hard and crisp until they reach a diameter of about one and one-quarter inches, thus affording good roots for a long time. The roots are rather long, averaging seven to eight inches when mature, bright scarlet-rose in color, shading into white at the tip.

ICICLE.—A very attractive, pure white radish, the earliest of the long, white summer sorts and of most excellent quality. The roots are somewhat shorter, with smaller tops than Long White Vienna and mature a little earlier. The roots when mature are five to six inches long by about one-half to five-eighths of an inch in diameter. One of the most desirable varieties for outdoor summer planting for the home garden and market. It is also adapted for forcing. Packet, 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

WHITE GIANT STUTTGART.—The roots are large, often four inches in diameter, white and are usually top shaped. The flesh is white and crisp, and keeps remarkably well, so that those not used in the summer or fall can be stored for early winter use.

WINTER VARIETIES

ROUND BLACK SPANISH.—Grows to a large size; very solid.

ROUND SCARLET CHINA.—Grows rapidly and holds its size and the quality throughout the entire summer.

CALIFORNIA WHITE MAMMOTH.—One of, if not the largest, radish. Often a foot or more in length. Firm flesh and keeps perfectly.

LONG BLACK SPANISH WINTER.—Ohlong, of very large size and firm texture, with dark green leaves. Is sown earlier than fall turnips and should be stored in cellar for winter use.

CHINESE ROSE WINTER.—A bright scarlet winter variety. About four inches long and stump-rooted. Like Chinese White Winter, only red colored and two weeks earlier.



WHITE ICICLE.



MAMMOTH SANDWICH ISLAND

SALSIFY OR OYSTER PLANT

CULTURE.—Also known as Oyster Plant or Vegetable Oyster. Treat about the same as carrot except that salsify is hardier, and may be left in the ground all winter. Sow in drills a convenient distance 1 to 2 feet apart, and thin to 4 inches in the row. Cover seed about 1 inch. Use 1 ounce to 75 feet of row; 3 to 4 pounds per acre. Sow in April or May.

MAMMOTH SANDWICH ISLAND.—This new Salsify recently introduced from the Sandwich Island, grows fully double the size of the common variety, and is superior in quality. It is pure white in color and is invaluable to market gardeners. Packet, 15c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

SPINACH

For Prices on Larger Quantities of Garden and Field Seeds
Send for Our Special Price List.

CULTURE—For early spring use, sow seed in August or September, in rich soil. Upon approach of cold weather, cover the plants with 3 inches of straw or soft hay. In the spring, when dry, remove litter and plants will be ready for use in a short time. Sow seed 1 inch deep in rows 1 foot apart or broadcast. For a succession sow every two weeks from April to June. Use 1 ounce to 100 feet of drill; 8 to 10 pounds per acre in drills; 15 to 18 pounds broadcast.

BLOOMSDALE, OR SAVOY LEAVED—Of upright growth; leaves curled and crimped, thick and fleshy. Keeps well after cutting. Suitable for fall sowing. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 25c.

LONG SEASON—A splendid new spinach, forming a rosette of dark green thick, succulent, crumpled leaves, which remain fresh long after cutting. No other variety will stand so long without running to seed. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 25c.

LONG STANDING—Leaves dark green and thick. Not inclined to run to seed for a long time. Very popular with market gardeners. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 25c.

NEW ZEALAND—The stems and leaves are soft, thick, fleshy, and of a crystalline appearance. Started early in the spring, the plants will resist heat and make a strong growth during the summer. Pick off the leaves from the stem, cooking them only, and you will have delicious greens all summer long. Packet, 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.



GOLDEN SUMMER CROOKNECK.

RHUBARB OR PIE PLANT

VICTORIA GIANT—This is a very large and late variety, with round stalks of great length and thickness; produces a succession of stalks the whole season; held in high esteem by the market gardeners. Packet, 10c; oz., 25c.

LINNEUS—Large and tender, very fine. Packet 10c; oz., 20c.

RHUBARB ROOTS—Per dozen, 50c; per 100, \$3.50.]



SQUASH OR CYMLING

For Prices on Larger Quantities of Garden and Field Seeds
Send for our Special Price List.

CULTURE—About the same as melons. Make the ground very rich. A good sandy loam is best. The squashes are all tender, and the seed should not be planted until warm weather. Allow 4x4 feet for the hills for the bush squashes and 8x8 feet or more for the running varieties. Four plants to the hill; 3 to 4 pounds of seed to the acre. For summer squashes estimate 2 ounces to 100 bills; for winter squashes 4 ounces to 100 hills. Use Bug Death, or Slug Shot to keep down the bugs.

MAMMOTH WHITE BUSH—The fruit is beautiful, clear, waxy-white instead of the yellowish white so often seen in the old stock, and is much larger. Packet, 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

GOLDEN SUMMER CROOKNECK—An old-time variety, grown extensively. It is early and productive and of good flavor. Packet, 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.



MAMMOTH WHITE BUSH.

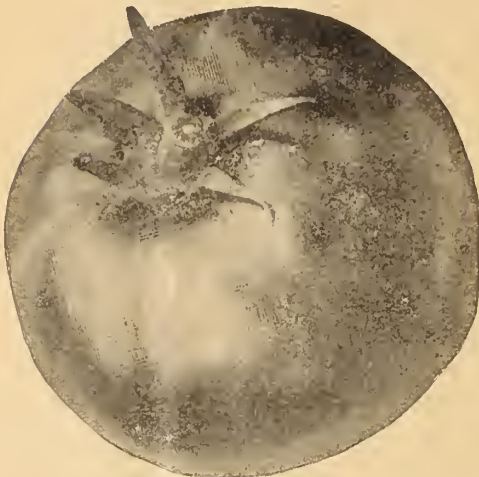
WINTER VARIETIES

HUBBARD—The leading squash for fall and winter use. Flesh dark yellow, fine-grained, being an ideal cooking variety. Very dry, sweet and rich. Packet, 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

CHICAGO WARTED HUBBARD—Is an exceptionally good keeper. Is larger than the original Hubbard and in addition is "warted," which indicates a hard shell and a long keeper. It also denotes fine quality. A great improvement over the old Hubbard. Fine for market or shipping. Packet, 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

WINTER CROOKNECK—This celebrated variety is too well known to need any introduction. Skin green mottled and striped like kin. Long, solid neck. Dry sweet flesh. Fine keeper. Packet, 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

TOMATO



SPARK'S EARLIANA

All varieties, Packet, 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.25; except where noted. **POSTPAID.**

CULTURE—Sow the seed in February or March in a hothed greenhouse or in shallow boxes in the house, in rows 4 to 6 inches apart and half an inch deep. When the plants are about 2 inches high transplant to 3-inch pots or into shallow boxes 4 inches apart each way. Transplant in the open ground after all danger of frost is past, 3 to 4 feet apart each way. Cultivate frequently. One ounce of seed will produce 2,500 plants, enough for an acre.

EARLY VARIETIES

ADAMS PERFECTION TOMATO—Is first of all a very large fruited variety, and secondly, it is an immense cropper. We have never seen anything in the market that could equal it for general appearance. In color it is pure scarlet. Packet, 15c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

BONNY BEST—An early variety, maturing between Earliana and Chalk's Early Jewel. Fruits medium size, color bright scarlet, exceedingly smooth, handsome shape, ripens evenly close up to the stem. An excellent sort for growing under glass. It is very prolific and we recommend it as a first-class sort.

CHALK'S EARLY JEWEL—A wonderful new variety in that it is early and bears continuously throughout the season. The fruit is large, smooth, uniform and well ripened clear to the stem, and the flavor and quality are especially fine. Color, bright scarlet. Packet, 10c; oz., 40; $\frac{1}{4}$ lb., \$1.40.

SPARK'S EARLIANA—Probably no early tomato has so large a sale as Sparks' Earliana. Extremely early, remarkable for large size, handsome shape, and beautiful bright red color. Its solidity and fine qualities fully equal the best late sorts. One of the most profitable crops for the market gardener and especially desirable in the home garden.

JOHN BAER—An extra early scarlet fruited variety of superior merit. The vines are very hardy and exceptionally productive. The fruits are the largest of the extra early sorts and are also most attractive in color. They are nearly round, smooth, firm and of excellent quality. It is one of the very earliest to ripen its first fruits and it continues to furnish marketable fruits much longer than other very early varieties. It is an invaluable sort for market gardeners, shippers and canners. Packet, 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.50.

JUNE PINK—This may briefly be described as a pink Sparks' Earliana. About ten days earlier than most early sorts. Fruits medium size, smooth, without cracks or green core. Skin is tough, thus making it a good shipper. Color is bright pink.

EARLY DETROIT—This splendid variety, is the largest and best of the early purplish pink tomatoes. The vines are vigorous and very productive. The fruits are very smooth, uniform in size, nearly globe-shaped, firm, and of excellent quality. Early Detroit is one of the most valuable shipping tomatoes yet produced. It is also desirable for the home garden and near markets. Packet, 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.50.

MATCHLESS—A splendid red, main crop variety. A splendid keeper and shipper. Less liable to crack in wet weather than most sorts. Fine for market or table. The plant is a strong grower. The fruits are large, perfectly smooth, free from core, with very small seed cavity.

DWARF CHAMPION—This famous Tomato is a favorite home garden variety. Its stiff, upright stalks are so sturdy as to hold the fruit well above the soil, even without stakes or supports. It is early and larger than most extra large sorts. Medium to smaller size—smaller than the great midsummer types. Of superior table quality. Resembles the Acme in color; very productive. A sure cropper.

ADAMS' EARLY TOMATO (95 Days)—The largest and best in shape of the Early Purplish Pink Tomatoes. Vine vigorous and very productive. It matures 4 days later than the Dwarf Champion—is uniform in size, nearly globe shape, heavy, firm, smooth and well adapted for shipping. Packet, 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.40.

LATE VARIETIES.

LIVINGSTON'S BEAUTY—This standard tomato is too well known to need any introduction. It ripens with Acme and Perfection, and is a model in beauty and shape, being entirely free from rough specimens. Grows in large clusters and retains its large size late in the season. It is very valuable for shipping and for early market. Color, "purple."

TRUCKER'S FAVORITE—A very large purple tomato of superior quality, solid and free from cracks. An ideal shipper and a superb variety for the table. Packet, 5c.

DWARF STONE—A dwarf sturdy plant like the Dwarf Champion in habit, but of stronger growth. The fruits are large and resemble the original Stone. The shape is perfect, with good skin, very solid flesh and of excellent flavor. The plants are very stocky and do not spread much.

DWARF PONDEROSA—Dwarf plant and giant fruit. The fruit has the mild sweet flavor of Ponderosa, is also very large and meaty, with very little core. It is deep purplish-crimson in color and belongs to the later-fruited types. Packet, 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.40.

STONE—The best main crop tomato for all purposes and largely used for canning. Vine tall and prolific. Fruit smooth, large and uniform. Color, bright scarlet.

PONDEROSA—This mammoth tomato is a great favorite for the home garden because of its immense size, stone-like solidity, delicious quality and beautiful appearance, whether stewed, sliced, fried, stuffed and baked or canned. Contains very few seeds; is all "meat" and of perfect form. Is valuable to grow for market, and forces under glass. Color, glowing crimson. A very heavy yielder. Packet, 10c; oz., 40; $\frac{1}{4}$ lb., \$1.50.

SMALL FRUITED SORTS.

PEAR RED—Packet, 10c.

PEAR YELLOW—Packet, 10c.

PLUM YELLOW—Packet, 10c.



JOHN BAER

TOBACCO

HAVANA—From pure Cuban grown seed. When grown in this country commands a high price for cigar stock. Packet, 10c.

MISSOURI BROAD LEAF—Extensively grown in Kansas and Missouri; the large broad leaves are used for the wrappers. Packet, 10c.

WHITE BURLEY—Largely used for the manufacture of cigars, as the leaf of this variety readily absorbs a large quantity of manufacturing material. Packet, 10c.

TURNIPS



LARGE EARLY RED TOP GLOBE.

For Prices on Larger Quantities of Garden and Field Seeds
Send for Our Special Price List.

CULTURE—Sow early varieties in April, in drills 12 to 18 inches apart. Cover seed $\frac{1}{2}$ inch and thin out to 4 to 6 inches in the row. Cultivate frequently. For succession, sow at intervals until the last week in May. For Fall and Winter crop, sow in July or August in drills or broadcast. Use one ounce to 250 feet of drill; $1\frac{1}{2}$ pounds to acre in drills or $2\frac{1}{2}$ pounds broadcast.

PURPLE TOP MILAN (Extra Early)—The earliest in cultivation. The bulb is very flat, of medium size, quite smooth, with bright purple top; leaves few, short and of light color, growing very compact and making an exceedingly small and neat top. The pure white flesh is of the choicest quality; hard, solid and fine grained. It is an excellent keeper. Packet, 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

PURPLE TOP (Strap Leaved)—This is an early variety and a great favorite for table use; form exceedingly flat like a broad disk in shape, and of medium size; color, purple or dark red above ground, white below; flesh white, fine grained and tender. Popular for garden or field culture. Packet, 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

LARGE EARLY RED TOP GLOBE, 65 Days—Large size, rapid growth, unusually attractive and admired by all. A

very much heavier producer than either of the preceding. We confidently recommend it as an acquisition. Maturing in sixty-five days. Packet, 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

BLOOMSDALE SWEDE, OR RUTA-BAGA (Maturing in 90 Days)—The Bloomsdale is quite wonderful in its fine breeding. In nothing that we offer are the effects in selection and in careful breeding so apparent as in this Ruta-Baga. Packet, 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

The Making and Care of Hotbeds and Cold Frames

COLD FRAMES—Fill the frame with soil to within six inches deep in front and eight or nine inches in back. Make shallow drills three or four inches apart across the face of the soil in the frame and in these sow the seeds, covering them thinly and tamping them gently, then water them moderately through a fine hose. Now put on the sash and keep all snug and warm until the seedlings appear, when the sashes should be tilted up during the day to admit fresh air freely to make the plants sturdy.

HOTBEDS—A hotbed is a cold frame, placed upon a quantity of fresh horse stable manure, and is usually made ready in February or March. Prepare manure by making it into a compact heap, watering it if dry. In a few days active fermentation will be in progress, when the heap should be turned, watered again, if necessary, shaking out the lumps. The aim is to induce an active, and uniform fermentation of the whole mass and to have it continue for some time after the soil is placed on it. Select a well-drained spot with a depth of fifteen to eighteen inches, fill in with manure, well tamped, place the frame on it, then put three or four inches of good soil uniformly over the surface. Some manure should be thrown up against the outer boards, which will help to hold the heat. Put on the sash, keep tight for three or four days until hot. When temperature falls to 75 degrees, seed may be sown with safety. The temperature in a hotbed should not be allowed to go above 70 degrees in the day, nor below 50 degrees at night, and should be covered with straw or carpet at night in cold weather, but this covering should be removed in the day-time.

HERBS—SWEET MEDICINAL AND POT

	lb.	$\frac{1}{4}$ lb.	oz.
Anise.....	\$1.00	30c	10c
Basil, Sweet.....	1.50	45c	15c
Borage.....	1.25	40c	15c
Caraway.....	1.50	50c	10c
Coriander.....	1.00	25c	10c
Dill.....	.75	30c	10c
Fennel, Sweet.....	1.00	30c	15c
Horehound.....	2.50	75c	20c
Lavender.....	1.40	40c	15c
Marjoram, Sweet.....	1.25	40c	20c
Sage.....	10.00	\$3.00	\$1.00
Summer Savory.....	2.50	60c	25c
Thyme.....	2.75	85c	30c
Sorrel.....	1.50	50c	20c

FLOWER SEED

**Descriptive list
of Choice Flow-
ers, blooming
the first year
from seed.**

AGERATUM

A beautiful, hardy annual of neat bushy habit. The attractive feathery flowers borne in dense clusters are very useful for bouquets. Very desirable for outdoor hedging and borders, being covered with bloom nearly all summer.

Sow out doors after danger from frost is over; or for earlier blooming start under glass and transplant. Cover the seed with one-eighth to one-fourth inch of fine soil firmly pressed down.

MEXICANUM—Light blue; about two feet high. Packet, 5c.

ALYSSUM

The annual varieties can be grown very readily either outdoors or in the house and by cutting back the plants properly an almost constant succession of bloom may be had. Seed



CANDYTUFT.



ASTER, GIANT COMET, WHITE.

can be sown in open ground very early in spring, or may also be sown outdoors in fall.

SWEET (Maritimum)—This very hardy annual for borders, edging or massing in small beds, comes into bloom early in the spring, covering itself with clusters or trusses of small, pure white cruciform flowers. They have a peculiar, delicate fragrance and are useful in small bouquets. Usually not over eight inches high but spreading. Packet, 5c.

LITTLE GEM (Maritimum Compactum, Carpet of Snow)—A beautiful white sort for edgings, borders and rock work. The plants grow about six inches high, produce hundreds of flowers and form a compact mass of bloom usually fifteen to eighteen inches across. Hardy annual. Packet, 5c.

ASTER QUEEN OF THE MARKET

Very desirable on account of extreme earliness as well as profuse blooming and wide range of colors. The plants are of somewhat compact but branching habit, rather open and spreading, about sixteen to eighteen inches high, bearing on long stems from ten to fifteen finely formed double flowers of medium size. The blooms, although rather flattened and not so large as those of the late sorts, are fine for cutting and this class is used extensively for growing under glass. This class is known also as Queen of the Earlies.

LAVENDER—Light lavender-blue. Packet, 10c.

LIGHT BLUE—A very pleasing shade. Packet, 10c.

WHITE—Distinctly early, double, fine form. Packet, 10c.

ROSE—A fine, very early red. Packet, 10c.

PURPLE—An early deep purplish blue. Packet, 10c.

MIXED—Many pleasing shades and colors including white, pink, rose, deep red, crimson, lavender, light blue and purple; early blooming and very floriferous. Packet, 10c.

FLOWER SEED—Continued

ASTERS—COMET GIANT MIXED—More like Chrysanthemums. Long, wavy, twisted petals. Large flowers, rich colors. 18 inches. Packet, 10c.

ANTIRRHINUM—Majus Mixed (Snapdragon)—Exceedingly bright and rich colors. Good house plant after finishes blooming all summer. Packet, 5c.

BALSAM—One of the most beautiful of our annuals, and under the old names Lady Slipper and Touch-Me-Not, has always been popular, but by the care and attention given it in the last few years, it has been greatly improved. The flowers are most brilliantly colored, very large and double, rich in colors, ranging from pure white to rich dark crimson. Packet, 5c.

CALLIOPSIS—Superb Hybrids Mixed—Unlike other calliopsis this variety is a fine hedging plant as well as for bouquets. Very profuse bloomer. About 14 inches high. Packet 5c.

CALENDULA—Free-flowering plants of easiest culture, succeeding everywhere and flowering continuously. The improved varieties are extremely showy, having double flowers of large size and intense glowing colors. Seed may be started indoors early in pots or sown in shallow drills in the flower-bed early in spring when the trees are starting out in leaf. When well started, young plants should be thinned out or transplanted to stand six or eight inches apart. For flowering in pots, seed may be started in shallow boxes of light soil early in the spring or fall and the young plants grown on in flower-pots for blooming. Packet, 5c.

CANDYTUFT—Considered indispensable for cutting. All varieties look best in heds or masses; hardy, easy to cultivate, and blooms profusely. Hardy annuals one foot high.

BEST MIXED—Mixture of all varieties and colors. Packet, 5c.



LUPINUS ARBOREUS.

CARNATION

MARGUERITE FINEST MIXED—The plants of this wonderfully fine strain may be made to bloom in four months. Flowers large, double, deeply fringed, very fragrant and appear in very attractive shades of color. Plants semi-dwarf. One of the best carnations in cultivation. Especially desirable for bedding as an annual and for cutting. Packet, 5c.

EARLY FLOWERING COSMOS

These early flowering strains are about four feet high and bloom profusely four to six weeks earlier than the giant sorts. The flowers are of good size; well adapted to northern latitudes. Price: Mixed Packet, 5c.

TALL COSMOS—The plant grows from four to six feet high, and is literally covered with large single, Dahlia-like flowers, ranging through all shades of rose, purple, white, etc. Splendid for cutting; foliage feathery. Price: Mixed packet, 5c.

LUPINUS

A very attractive free-flowering plant with long graceful terminal spikes of fragrant, pea-shaped blossoms. Blooms early in the season and is desirable for cutting. Sow seed in



CALENDULA.

place in spring and then thin to one and one-half feet apart. Hardy annual; about three feet high.

CRUKSHANKI—Blossoms white, shaded with yellow, blue and purple. Packet, 5c.

NEW DIANTHUS, "PINKS"

MIRABILIS—The flowers are single, with extra large, deeply fringed petals, measuring two and one-half to three inches across. The fringed edges are most feathery in effect. In coloring the flowers range from pure white to richest crimson, both in rich self-colors and with the petals blotched and fringed in contrasting shades. Packet, 10c.

ESCHSCHOLTZIA

The California Poppy is a showy, free-flowering plant, of lowspreading growth, with finely divided foliage, blooming throughout the season. Seed should be sown thinly in shallow drills early in spring where the plants are to bloom. In Southern States it succeeds best from seed sown late in the fall. Where a solid hed is desired, seed may be thinly broadcast and lightly raked in. This is the most effective way of planting this gorgeous flower. Packet, 5c.

HELICHRYSUM

(Everlasting.)

Sometimes called Straw Flower. Large full, double daisy-like flower heads with prominent centers and stiff overlapping scales, produced in various shades of bright yellow and scarlet on stems of good length. Dependable as dried specimens and for use in making winter bouquets. For this purpose the flowers should be gathered when on the point of expanding.

Sow early in spring; thin to one foot apart each way. Hardy annual; two to two and one-half feet high.

MONSTROSUM, FL. PL., MIXED—Large double flowers. Packet, 5c.

GYPSOPHILA

Delicate, free-flowering plants covered with star-shaped flowers, valuable for mist-like effects and as trimming in bouquets; also for hanging baskets or edgings. Sometimes called Baby's Breath. Will thrive in almost any well prepared ground but does best on a limestone soil. Make handsome specimens dried

HELIOTROPE

Well-known and much admired border and bedding plants, highly valued for the blue color and fragrance of their branching clusters of small salver-shaped flowers as well as the duration of their bloom.

Sow the seed early in spring, in mellow soil indoors, and when plants are one to two inches high, put out into pots. Transplant to place when three to four inches high. Will live outdoors through the winter in a warm climate. Desirable also as a pot-plant for indoor blooming from fall sown seed. Half hardy perennial; one and one-half to two feet high. **Packet, 10c.**

ELEGANS LARGE FLOWERING PURE WHITE—An improved large-flowering strain, superior to the common Elegans not only in size of flowers but also in color. A very charming sort for combining in bouquets with Sweet Peas or other cut flowers. **Packet, 5c.**

ELEGANS MIXED—Very small, delicate white and rose-pink. **Packet, 5c.**

GAILLARDIA

The Blanket Flower. Exceedingly beautiful annuals, making very showy plants, 1 to 2 feet high. Grown in mass are especially effective.

PERFECTION—Improved sort, producing a very double flower, round as a perfect ball, in most varied and pleasing colors. Flowers are borne on long, slender stems and when cut keep for over a week. **Packet, 5c.**

GRANDIFLORA—A splendid new perennial variety, with very large flowers, dark crimson centers, marked with rings of many brilliant colors; makes a nice showing in the yard. **Packet, 10c.**

LARKSPUR

Flowers are borne in compact spikes and are showy and desirable for any situation. Sow early in open ground.

AMERICAN BANNER—Only flower we know which combines the national colors in each flower. About 2 feet high; is fairly loaded with long spikes of double striped and blotched flowers. **Packet, 10c.**

LANTANA

The plants form small shrubs, producing in late summer and autumn heliotrope-like clusters of single, fragrant flowers that change colors. Succeeded by green berries that turn to a deep blue. Start under glass and transplant when danger of frost is over. May also be grown in pots. Tender perennial; about two feet high.

FINEST FRENCH HYBRIDS MIXED—**Packet, 5c.**

LOBELIA

The four dwarf (*Erinus*) sorts are charming plants, well adapted for bedding, pots or rockeries. They make a neat edging for beds of white flowers and are very effective in masses, being covered with flowers a long time. The flowers are usually blue with lighter center and are borne in neat clusters, each irregularly lobed flower being about five-eighths inch across.

Seed may be sown outdoors after danger of frost is over; or start the plants in pots in greenhouse or hotbed, early in spring and transplant in May to place outdoors. Half hardy annual; usually about six inches high. **Packet, 10c.**

LOVE-IN-A-MIST

(*Nigella*.)

Also known as Lady-in-the-Green and as Devil-in-a-Bush, because the blossoms are partly concealed by the finely cut foliage. The large oddly shaped flowers are surrounded by a very dense fringe or wreath of mossy fibres. Both plant and flower are handsome and require but little care. Sow seed in spring in any good garden soil, or may be sown in fall. Hardy annual.

DAMASCENA, fl. pl.—Double blue flowers; one and one-half to two feet high. **Packet, 5c.**

MARIGOLD

A general favorite for planting in mixed beds and informal gardens, as they produce such great numbers of brilliant colored flowers that they are always a bright spot wherever planted.

AFRICAN—This old favorite has been greatly improved in size and doubleness of its flowers. Double mixed. **Packet, 5c.**

DWARF FRENCH—Double, mixed colors. **Packet, 5c.**

MIGNONETTE

SWEET SCENTED—The fragrance of the Mignonette makes it indispensable for bouquets and cutting. Sow seed early and they will commence blooming the first of June. **Packet, 5c.**

NASTURTIUM

TALL VARIETIES

One of the most popular of all annuals as every one can grow it. Grows anywhere, except in the shade. No ground is too poor to grow it. It is fine for cutting. The tall or trailing variety is a useful plant for trailing over walls or stumps, also for porch boxes or hanging-baskets. The dwarf varieties form compact bushes. Both flower all summer.

COQUETTE—A fancy strain of large flowered Nasturtiums, quite distinct from the ordinary varieties. **Packet, 5c, oz. 15c.**

MOONLIGHT—Light straw-yellow; very large and fine flowering. **Packet, 5c, oz. 15c.**

MIXED—Good mixture of the ordinary varieties. **Packet, 5c; oz., 15c.**

DWARF VARIETIES

EMPRESS OF INDIA—Has very dark reddish green foliage, with deep crimson flowers. **Packet, 5c; oz., 15c.**

ROSE—A pretty shade of salmon rose. **Packet, 5c; oz., 15c.**

GOLDEN KING—Fine orange-yellow flowers. **Packet, 5c; oz., 15c.**

GOLDEN QUEEN—The foliage of this variety is a very light yellowish-green and the flowers a clear golden-yellow. **Packet, 5c; oz., 15c.**

CLOTH OF GOLD—Has golden-yellow leaves and bright scarlet flowers. **Packet, 5c; oz., 15c.**

VESUVIUS—A fine large flowered variety with beautiful blooms of a salmon-pink shade. **Packet, 5c; oz., 15c.**

CHAMELION—An odd and very interesting strain, producing flowers of several colors and varied markings on one plant. **Packet, 5c; oz., 15c.**

PEARL—A very pale yellow. **Packet, 5c; oz., 15c.**

FINE MIXED—A good strain of many colors. **Packet, 5c; oz., 15c.**

PANSIES

TRIUMPH OF THE GIANTS MIXED—A truly wonderful strain of this popular flower. Remarkable for its range of color and extra-ordinary size, and we unhesitatingly pronounce it the largest of all Pansies. The flowers are of fine substance and stand up well above the foliage. The strain produces very little seed and the stock is exceedingly limited. **Packet, 25c.**

GIANT TRIMARDEAU MIXED—Our stock of this variety produces as large pansies as can be grown. Flowers of richest, most varied shades, well rounded form and generally marked with three large blotches. Plants very hardy and vigorous. We recommend this mixture as one sure to give general satisfaction where conditions are at all suitable for pansy growth. **Packet, 10c.**

Pansies are now produced in an almost infinite variety of colors and markings. Their brilliancy of shading, extended season of blooming and long keeping characteristics make them general favorites. The strains now offered are far superior to the old Heart's Ease or Viola Tricolor and the esteem in which they were held by older generations has been heightened by the greater variety and more brilliant colors of the improved sorts. We have been interested in the bringing forward of advanced types of very large varieties in this country as well as in Europe, and our stocks are the very best obtainable. We spare neither pains nor expense to satisfy the most critical trade. Every year we visit the gardens of the most expert specialists and are in position to give our customers the benefit of their knowledge.

We have annually both out of doors and under glass extensive trials of Pansies from the most successful European growers and from prominent seedsmen. While the variations in shades of color and markings appear almost limitless our list includes the very best strains the world produces.

Seed may be sown indoors very early in spring, or a little later in the open ground, and transplanted when an inch high. Such plants will commence to bloom in June. If sown in July, the plants will bloom in the fall, or if sown in September, the following spring. Well pulverized soil should be used and the seeds covered one-eighth to one-fourth inch deep with fine soil firmly pressed down. The largest and best flowers are produced by young plants which have been grown rather slowly in a partially shaded situation, and in very rich soil; coolness and moisture are necessary. A situation sheltered from high winds and exposed to the morning sun is most favorable and frequent sprinklings are advantageous. Grown indoors pansies make a good winter blooming pot plant. Hardy perennial but usually grown as an annual or biennial. Four to six inches high.

PANSIES—Continued

MASTERPIECE—(Also offered under the names Superhissima and Germania.)—This superb new pansy is distinct from all others in form of flowers, the border of every petal being conspicuously undulated and curled, giving flowers appearance of a double pansy. Flowers very large. Packet 20c.

ADAMS MIXTURE—Is a mixture consisting of a grand assortment from the world's leading specialists. If you like pansies you must have the Adams Mixture. Packet 15c.

CASSIER'S GIANT ODIER—Flowers of immense size, and are of the popular Odier type, being all three-spotted or five-spotted on back-grounds of very rich colors. The flowers are of good substance and fine form, of most compact growth. Packet 15c.

PINKS

Splendid, large flowers of the richest and most brilliant colors and markings; constantly in bloom from July till after severe frosts; the first and also the second year. No flower excels this genus for a brilliant show of colors through the summer. Height, 1 foot.

DIANTHUS CHINENSIS—Double China—Mixed. Packet 5c.

DIANTHUS HEDDEWIGI—Single, mixed. Packet 5c.

PHLOX

No flower excels this in all the qualities that make a popular annual. Brilliant and varied colors; continuous and profuse bloom; being one of the last to succumb to the frosts of late October; it is excellent for bouquets; all combine to place it in the list of the best half dozen flowers for garden decorations. Height, 18 inches.

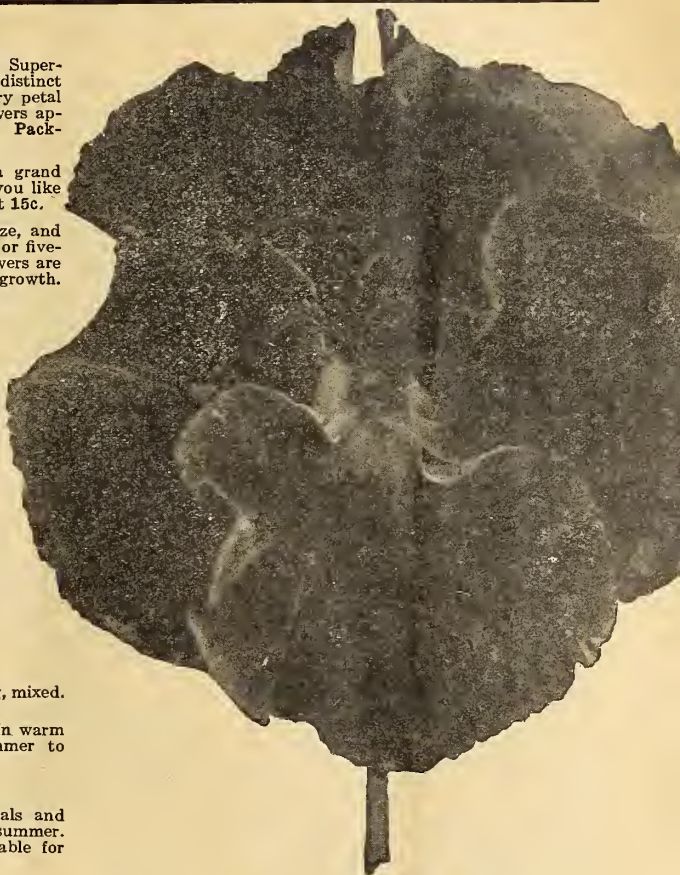
PHLOX DRUMMONDII—Mixed. Packet 5c.

PHLOX DRUMMONDII—Grandiflora, large flowering, mixed. Packet 5c.

PORTULACA—Brilliant, dwarf annuals, luxuriating in warm situations and blooming profusely from early summer to autumn. Height, 1/4 foot. Packet 5c.

POPPY

POPPY (Papaver). These well-known hardy annuals and perennials flower in great profusion throughout the summer. Both the single and double varieties are very desirable for



TRIUMPH OF THE GIANTS



POPPY—THE SHIRLEY.

bedding and borders. The flowers are remarkable for their large size, delicacy of tissue and wide range of bright dazzling colors.

As early in spring as ground can be worked sow the seed, which is quite small, where the flowers are to bloom as the annual varieties do not bear transplanting. Pulverized soil, preferably light sandy loam, should be used. Make rows fifteen inches apart and cover seed one-fourth inch deep. When two inches high, thin from six inches to one foot. To insure continuous bloom during a long season the flowers should be cut regularly and no seed pods allowed to form.

ANNUAL VARIETIES.

SHIRLEY—A magnificent variety, producing through a long season large single flowers of charmingly delicate colors, ranging from pure white through shades of pink and rose to brightest scarlet and carmine-red. If cut before the blooms are fully expanded, they will keep fresh in water for several days. Hardy annual, about twenty inches high. Packet, 5c.

TULIP FLOWERED—Single bright scarlet tulip-shaped flowers, a black spot appearing at the base of each petal. Hardy annual, about one foot high. Packet, 5c.

DOUBLE CARNATION MIXED—Large showy double fringed flowers of various colors; hardy annual, about two feet high. Packet, 5c.

DOUBLE CHOICE MIXED—Very large, double poppies in a variety of colors. About two feet high. Packet, 5c.

PETUNIAS—No garden is complete without a bed of elegant petunias. They commence flowering early and continue a mass of bloom throughout the whole season, until killed by frost; are easily cultivated, requiring rich soil and a sunny situation. Of late the single striped, mottled and double varieties have been greatly improved, and the cut gives but a faint idea of their great variety and beauty. Double varieties require care and should be started in the house.

GRANDIFLORIA MIXED—Very large, elegant flowers; a great improvement and fully twice the size of the old sorts, with most beautiful shades of crimson, white, rose, maroon, etc., blotched, striped, veined, marked and fringed. Packet of 200 seeds, 10c.

FINE MIXED—Best of older varieties. Extra fine striped and blotched sorts. Packet 5c.

SWEET PEAS

Beautiful, Fragrant, Fashionable.

CULTURE—Sowing should be made in well-prepared ground as early as it can be worked. The plants should not, however, be sown two successive seasons on the same ground. It will be found a most excellent plan to make a trench about 6 inches deep, in which to plant the seed, covering at first to a depth of 2 inches; gradually draw in the soil as they advance in growth; this will greatly aid the plants to withstand our hot summers. Never allow them to run to seed, as once in the seed pod they are finished for the season. The more you cut, the greater the quantity of blooms they will produce.

MIXTURES OF SWEET PEAS

ADAMS' MIXTURE OF THE LATEST INTRODUCTIONS—This mixture met last season with the unstinted praise of our numerous customers. We have again carefully selected the varieties and added all the meritorious new ones to the mixture. The colors are mostly pink and white shades with a sprinkling of other colors to give it tone. Only the best of the large flowering types have been used, and we claim this to be an Extra Select Mixture. Packet 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Of the named varieties we have selected the best bloomers and will please any lover of Sweet Peas.

SPENCER VARIETIES

This group includes the largest and most beautifully formed sweet peas. The Spencers have very large waved flowers which are produced abundantly on long strong stems, making the blossoms most desirable for cutting. The plants of Spencer varieties when grown outdoors are usually in bloom much longer than other sweet peas, as most of the blossoms fall off after maturity without setting pods. A characteristic of the best Spencers is an "open keel." The petal or envelope enclosing the pistil, stamens and anthers is called the keel. In a typical Spencer flower grown under favorable conditions the anthers and stigma are not clamped together and the envelope of the keel is large and baggy and open at the top.

APPLE BLOSSOM SPENCER—Bright rose standard with wings of very light primrose flushed or tinted rose-carmine. Very large Spencer form. A free blooming sort and a reliable bicolored sweet pea of robust growth. Packet 5c; oz., 25c; $\frac{1}{4}$ lb., 90c.

ASTA OHN—Suffused lavender or tinted mauve sometimes with pinkish tinge. Spencer form, large and wavy. Among the very best of the deeper lavender Spencers. Packet 5c; oz. 25c; $\frac{1}{4}$ lb. 90c.

COUNTESS SPENCER—Bright clear pink, sometimes darker towards the edges; very large, open form; long stems. The first variety introduced of the Spencer type and still considered the best deep pink sweet pea. Packet 5c; oz. 25c; $\frac{1}{4}$ lb. 90c.

KING EDWARD SPENCER—Brilliant crimson-scarlet; very large size and of open form. One of the very best of the pure red or crimson Spencers. Packet 5c; oz. 30c; $\frac{1}{4}$ lb. \$1.00.

KING WHITE—The form, size, vigor, waviness and purity of color, give pre-eminence to its claim as the best Spencer yet introduced. Seed white. Packet 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.25.

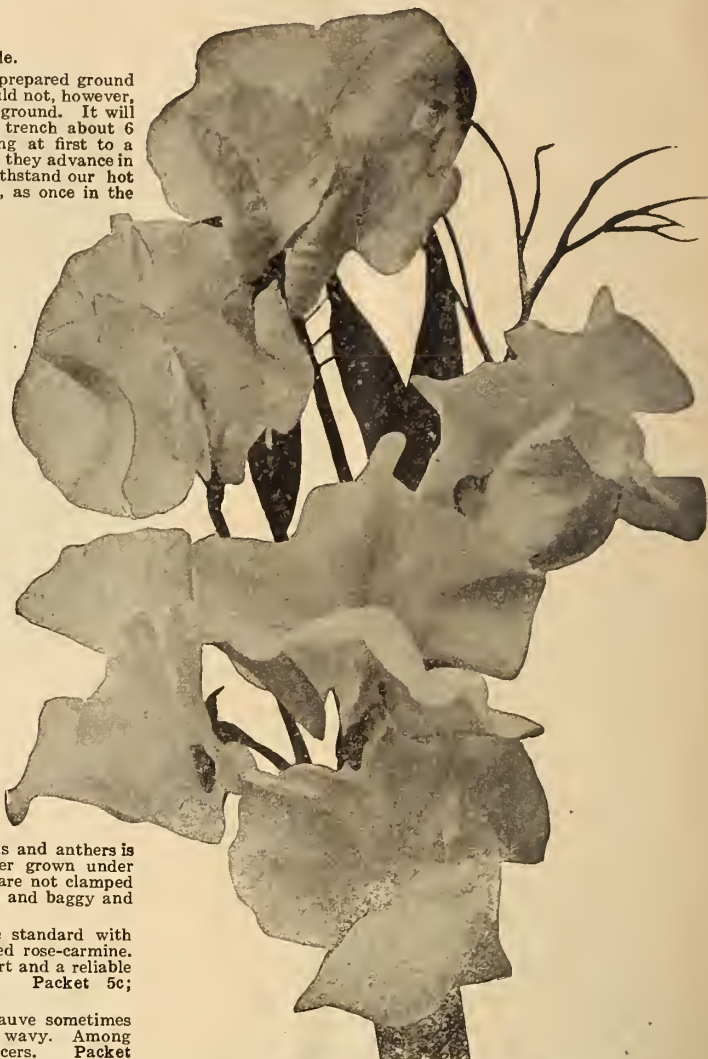
OTHELLO SPENCER—A beautiful, deep, pure maroon of very large Spencer type. One of the most reliable of the maroon shades of Spencers. Packet 5c; oz. 30c; $\frac{1}{4}$ lb. \$1.00.

WHITE SPENCER—Standard and wings of pure white, beautifully waved and fluted. An especially attractive variety of very large size. Seed white. One of the very best white sweet peas. Packet, 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

AURORA SPENCER—Flowers brilliant orange-rose, striped and flaked on white. One of the most attractive very large striped Spencers. Packet, 5c; oz., 25c; $\frac{1}{4}$ lb., 90c.

BLANCHE FERRY SPENCER—This is similar in color to the old Blanche Ferry but like all Spencers the type is not unalterably fixed. Rose-pink standard; wings white, suffused and tinted with light pink. It is a very pleasing bi-colored sweet pea. Packet, 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.25.

CAPTAIN OF THE BLUES SPENCER—Purple, with blue wings, beautifully waved; margin of petals marbled. Flowers



SWEET PEA—COUNTESS SPENCER.

of large Spencer form, but lighter shade than Captain of the Blues; more truly Waverly Spencer in color. Packet, 5c; oz., 25c; $\frac{1}{4}$ lb., 90c.

GRANDIFLORA OR ORDINARY VARIETIES

AMERICA—Clear scarlet on a white ground. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 35c.

AURORA—Extra large flowers, are flaked and striped bright salmon on white ground. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 35c.

BLACK KNIGHT—Rich glossy blackish maroon. Immense bold, attractive flowers borne in greatest profusion. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 30c.

DOROTHY ECKFORD—The largest flowered white variety. Great bloomer. Packet, 5c; oz., 15c; $\frac{1}{4}$ lb., 45c.

EARLIEST OF ALL—Very early; a bright pink with white wings. Packet, 5c; oz., 15c; $\frac{1}{4}$ lb., 45c.

EXTRA EARLY BLANCHE FERRY—Earliest of all. A beautiful light rose and white. Deliciously handsome. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 35c.

KING EDWARD VII—A true giant-flowered variety; brighter than either Mars or Salopian, in fact, the best dark red in existence. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 35c.

LADY GRISEL HAMILTON—Light lavender with azure blue wings. Packet, 5c; oz., 10; $\frac{1}{4}$ lb., 35c.

MRS. WALTER WRIGHT—Of pinkish cream, changing to reddish purple; large. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 35c.

MRS. DUGDALE—Standard rose, the wings primrose shaded and splashed rose. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 35c.

SWEET PEAS—Continued

LOVELY—The most beautiful shades of soft shell-pink, shading to faint rose at outer edges. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 35c.

MONT BLANC—Large white flowers, free blooming and the earliest of all whites. Packet, 5c; oz., 15c; $\frac{1}{4}$ lb., 45c.

MAID OF HONOR—Light blue on a white ground, edged with deep violet. Packet, 5c; oz., 15c; $\frac{1}{4}$ lb., 45c.

MRS. KENYON—A decided novelty in Sweet Peas, being a very pretty large-flowered sort, of a handsome primrose or yellow color. You should have it if you want an attractive new color in your mixture. Packet, 5c; oz., 15c; $\frac{1}{4}$ lb., 45c.

NAVY BLUE—A great novelty; the darkest and truest blue of any variety. Free bloomer. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 35c.

OTHELLO—A beautiful dark brown chocolate red self-colored. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 35c.

PRINCE OF WALES—A bright, self-colored, deep rose flower of grand size and beautifully hooded form; frequently four on a stem. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 35c.

PRIMA DONNA—A soft shade bright rose-pink, with deeper coloring in center of standard and inner portion of wings. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 35c.

RAMONA—Flower creamy white and striped and flaked blush pink. Packet, 5c; oz., 15c; $\frac{1}{4}$ lb., 45c.

ROYAL ROSE—Beautiful clear rose. Packet, 5c; oz., 15c; $\frac{1}{4}$ lb., 45c.

SWEET WILLIAM—Sow outdoors very early in spring, preferably in rich, mellow soil, in rows one foot apart. Cover seed one-fourth inch of fine soil firmly pressed down. When two inches high, thin to six inches apart. In the more northern latitudes, protect with mulching in winter. Seed can also be sown in fall. There are usually no flowers until the second season, but if seed is started very early under glass and transplanted, blooms may be had late in autumn. The old clumps may be divided but it is usually more satisfactory to start vigorous young plants every year or two. Hardy perennial; one and one-half feet high.

FINE MIXED—This mixture will be found especially satisfactory. Packet, 5c.

DOUBLE MIXED—Double flowers in a great variety of colors and shades. Packet, 5c.

SALVIA SALVIA SPLENDENS—The Salvia or Flowering Sage is a very ornamental plant, flowering in spikes and continuing in bloom in open ground until frost, when the plants can be removed to a greenhouse and will continue to bloom a long time. This variety is of a dwarf habit. Height one foot. Packet, 10c.

FIREBALL—Many strains of Salvia Splendens have been offered under different names claiming they are larger flowered or more floriferous than the old type. We have found none more valuable than this strain in which the plant is more uniformly dwarf, and comes into bloom earlier than most sorts and remains covered with brilliant red flower spikes a remarkably long time. About two feet high. Packet, 10c.

STOCKS OR GILLIFLOWER—These well known favorites require no description; they are indispensable to all lovers of flowers. The "Stocks" of today are greatly superior to the old types of flowers, being much larger and extra double. Will bloom in open ground in ten weeks. Packet, 5c.

SUNFLOWER—Miniature—Of pyramidal growth. Covered with hundreds of small single orange flowers. Packet, 5c.

SWEET VIOLETS—Sow the seed in May, and when in flower in August or September, transplant into well-enriched beds, assorting as to color or arranging in any design desired. The following spring they begin to bloom, and throughout spring and early summer will give a profusion of flowers. Finest Mixed All Colors. Packet, 10c.

VERBENAS

Veroenas usually flower well in August from seed sown in open ground in May. Germination will be hastened if the seed is soaked in lukewarm water before planting. It is desirable to have the soil well fertilized and carefully pulverized. Cover seed about one-fourth inch deep. When the young plants have three or four leaves transplant in rows two feet apart and about twenty-four inches apart in the row, choosing preferably a sunny situation. At this distance the plants, if conditions are favorable, will spread so as to cover the ground completely.

FINE MIXED—This extra choice mixture includes a wide range of very beautiful colors, shades and stripes usually run-



SWEET VIOLETS

ning from pure white to deep purple. The clusters are of largest size. Packet, 5c.

HYBRIDA COMPACTA MIXED—A distinct sort. The plant forms a compact hunch about five inches high and eighteen inches across, covered throughout the season with large trusses of white, scarlet and violet flowers. Packet, 5c.

VINCA Periwinkle—These very attractive hushy plants with glossy green foliage produce in abundance handsome round or salver shaped single flowers, suitable either for culture in pots or boxes or for summer hedging and borders. If sown early under glass and transplanted in a warm, sheltered situation will bloom in summer and autumn and may be potted for the house before frost. The plants require no trimming, are in continuous bloom from setting out until frost and are entirely free from the attacks of insects. These desirable features account for the increasing demand for Vincas in parks and private grounds for summer-hedging and borders. Tender perennial, blooming the first season, about fifteen inches high.

PURE WHITE—Beautiful pure white. Packet, 5c.

ROSEA ALBA—White with crimson eye. Packet, 5c.

ROSEA—Rose with crimson eye; flowers often two inches in diameter. A very desirable window plant. Packet, 5c.

CASTOR BEANS—New Zanzibar—A new and distinct class, which surpass in size and beauty all the varieties heretofore known. The plant grows from 10 to 15 feet high, and the leaves measure about 30 inches across. Mixed varieties. Packet, 5c.

JOB'S TEARS—Coix Lachrymae, Curious ornamental grass from East India, with broad, corn-like leaves and seeds of a light slate color, wonderfully lustrous. Valuable for the formation of winter bouquets in connection with everlasting flowers, and strings of handsome heads are formed from the seeds. Height three feet. Hardy annual. Packet, 5c.

ZINNIAS Can be raised to flower by August, if sown in the open ground; but if sown under glass in April they will bloom in June and throughout the entire season.

LARGE-FLOWERING DWARF DOUBLE—A handsome class of Dwarf Zinnias, very useful for heds or borders. Height $1\frac{1}{2}$ feet. Seven separate colors. Yellow, Orange, Scarlet, Crimson, Purple, Pure White, Pink. Very double; each color. Packet, 5c.

EXTRA CHOICE, DOUBLE MIXED. Packet 5c.

JACQUEMINOT—Rich velvety crimson, flowers very double and produced in great abundance. Packet, 5c.

DOUBLE STRIPED PERFECTION—The flowers are large and very double, and of the most novel and charming shades of color, each petal being distinctly striped or splashed. Packet, 5c.

ZINNIAS.—Continued

CURLED AND CRESTED—The flowers are very double, the petals being twisted, curled and crested in a most graceful manner. Packet, 10c.

MAMMOTH FLOWERING—Flowers perfectly double, measuring 5 to 6 inches in diameter, colors brilliant. The plants grow about 3 feet high, making a handsome appearance. Fine mixed colors. Packet, 10c.

ELEGANS TOM THUMB—A dwarf, compact variety; 12 inches in height. The flowers are produced in great abundance. Double mixed colors. Packet, 5c.

SEEDS OF ANNUAL CLIMBERS

BALLOON VINE, OR LOVE-IN-A-PUFF—Climbing annual, with small inferior flowers. The seed pods are curiously swelled or puffed, and are quite attractive. Packet, 5c.

BEAN (Scarlet Runner)—A popular climber; the seed is edible and much esteemed. Flowers scarlet; beans black and lake splashed. Packet, 5c.

BIGNONIA (Trumpet Vine)—Magnificent hardy perennial climber, with brilliant scarlet or yellow flowers; a most ornamental and effective covering for walls, houses, etc. 30 feet. Packet, 5c.

CANARY BIRD FLOWER (Tropaeolum Canariense)—A tender, climbing annual of the nasturtium family. Blossoms have curiously winged petals and are light yellow. Packet, 5c.

COBEA SCANDENS (Cup and Saucer Vines)—A climber of rapid growth; very valuable for covering trellises, arbor, trunks of trees, etc. Will cling to any rough surface, often attaining a height of 30 to 40 feet in one season. Packet 5c.

SCANDENS PURPURA—Large, bell-shaped purple flowers. Packet, 10c.

SCANDENS ALBA—Pure white. Packet, 10c.

CYPRESS VINE (Ipomea Quamoclit)—A tender climbing annual with soft fern-like foliage and small star-like flowers. Choice mixed colors. Packet, 5c.

HUMULUS, OR JAPANESE HOP—A rapid-growing, hardy climbing annual with dense leaves. Will grow 20 to 30 feet in a season. Packet, 5c.

MORNING GLORY

CONVOLVULUS MAJOR—Free flowering, beautiful climbers with rich and varied colored flowers, very useful for covering lattice work, verandas, etc., where they are exceedingly effective. Packet, 5c.

IMPERIAL JAPANESE—Packet, 5c.

MAJOR TALL MIXED—Packet, 5c.

MINOR DWARF MIXED—A beautiful hardy bedding and border plant, attaining a height of about 1 ft. Packet, 5c.

MOONFLOWER

These beautiful climbers grow rapidly, and will reach a height of twenty to thirty feet in a single season. The foliage is large, dense, and luxuriant, affording splendid shade for porches. Plant seed half an inch deep in rich soil early in spring when trees are well in leaf. For Northern States, seed should be started indoors early in March, and setting vines outdoors when trees are out in leaf. Packet, 5c.

WHITE-SEEDED—The vines bear thousands of immense white flowers, many measuring six inches across. Packet, 10c.

VIRGINIA CREEPER

AMPELOPSIS QUINQUEFOLIA—Perennial climber. Large leaves which color in the fall; also bears clusters of dark fruit; flowers inconspicuous. Very ornamental and easily raised from seed. Height, 30 feet. Packet, 5c.

GOURDS

NEST EGG—Grows exact size, color and shape of an egg and makes a very good nest egg. Packet, 5c.

THE DIPPER—When grown on the ground the stem will be curved, while if raised as a climbing vine, weight of the blossom end will cause stem to grow straight. Dippers of a capacity from a pint to a quart can be had from a few vines. Packet, 5c.



ZINNIA ELEGANS ROBUSTA GRANDIFLORA.

SUGAR TROUGH (Selected Stock)—Grows to a very large size; holds from four to ten gallons each, having hard, thick shells, which are very strong, but light and durable, lasting for many years. Packet, 5c.

DISH CLOTH, OR LUFFA—The peculiar lining of this fruit, which is sponge-like, tough and durable, makes a natural dish cloth. The fruit grows about two feet in length and the vine is very ornamental. Packet, 5c.

SEEDS OF BIENNIALS AND PERENIALS

AQUILEGIA—A hardy perennial, growing about two feet high and bearing an immense variety of colors on long, smooth stems. Packet, 10c.

BELLIS PERENNIS (Double Daisy)—A hardy perennial, blossoming freely all spring and summer. Plant is about four inches high and is valuable for borders. Is much sown in lawns. Extra Double White or Snowball. A clear white variety. Packet, 10c.

CANTERBURY BELLS (Campanula Medium)—A hardy perennial, blooming the second year from seed, or the first, if sown early. Grows about three feet high. Packet, 10c.

CARNATION—Our strain of these popular flowers is unsurpassed in beauty and variety of coloring, also in their delightful fragrance. For largest, richest flowers, we recommend their culture in pots or rich soil or small, shallow boxes. Cover the seed lightly, and shade from the strong rays of the sun. When the young plants are two or three inches high, they may be transplanted out into small beds. Shade and water them until established. Then they can be planted out in well-prepared beds, 12 to 18 inches apart. While the weather is cool, the ground should be mulched about 2 inches deep with well-rotted manure. This will not only help to retain the moisture in the ground, but also supply nutriment to the plants. The seed may be sown any time between March and September. Packet, 5c.

MARGUERITE, MIXED COLORS—Very varied; gives a large percentage of fine double flowers. Packet, 10c.

CHRYSANTHEMUM—There are many widely different classes of this flower in the hardy or garden varieties, both single and double, and the perennial varieties, chief of which is the double or florists' varieties, highly prized in the autumn and winter. Many colors mixed. Packet, 5c.

COREOPSIS—GRANDIFLORA—This is useful for cutting, producing large, golden-yellow flowers profusely during summer. Height, two feet. Packet, 10c.

SHASTA DAISY (Maximum Chrysanthemum)—This creation of Luther Burbank is sometimes called the "Giant White California Daisy." Large flowers are produced freely after the first season. Packet, 15c.

DELPHINIUM (Perennial Larkspur)—Formosum—Brilliant blue, white eye. Packet, 5c.

CHOICE MIXED—Best varieties. Packet, 5c.

DIANTHUS (Perennial Pinks)—**PLUMARIUS** (Pheasant-Eye Pink)—The original clove pink. Packet, 5c.

SCOTICUS, fl. pl. (Paisley or Florist' Pink)—A very pretty double variety of the preceding. Packet, 10c.

DIGITALIS (Foxglove)—Easily grown perennials attaining a height of from three to five feet and producing long spikes of beautiful, tubular-shaped flowers, many being spotted or blotched.

FINE MIXED—Packet, 5c.

WHITE—A most handsome variety, the pure white flowers being shown off to great advantage by the dark-green foliage. Packet, 5c.

GYSSOPHILA—PANICULATA (Baby's Breath)—This is one of the most useful and graceful of hardy perennial plants, the tiny white flowers being borne in myriads on such slender stems that they appear as clouds floating in the air. Height, two feet. Packet, 5c.

GAILLARDIA—GRANDIFLORA (New Perennial Hybrids)—(Blanket Flower)—Splendid hardy perennial, invaluable for cutting, and flowering continuously all summer. Colors yellow and crimson. Height, one and one-half to two feet. If sown early in spring, will bloom the first year. Packet, 10c.

SCABIOSA—CAUCASICA (Pincushion Flower)—A magnificent perennial with beautiful large light-blue flowers, blooming continuously throughout the summer, the flowers being produced on long, stiff stems, making it invaluable as a cut-flower. Height, two feet. Packet, 10c.

SWEET WILLIAM (Dianthus Barbatus)—A hardy perennial blooming the second year from seed. Grows one to two feet high and bears its flowers in clusters, at the end of a stiff stem. The individual flowers are handsomely colored and marked. It makes a beautiful hedging plant, and is of easy culture.

SINGLE VARIETIES, MIXED—More attractive than the double. Packet, 5c.

STOCKS (Ten Weeks' Stocks, or Gulliflowers; Leveje)—The stock is one of the many popular plants used for hedging. For brilliancy and diversity of color, fragrance, profusion and duration of bloom it is unsurpassed. Hardy annual. Packet, 5c.

VIOLETS—Hardy perennials, blooming freely throughout the summer and autumn. Of easy culture. Packet, 10c.

SUMMER FLOWERING BULBS

We offer only the most popular sorts that are inexpensively and easily grown, require scarcely any care and make a showy and gorgeous display.

DAHLIA—Always a favorite for autumn flowering. The flowers are so symmetrical and perfect, and the range of color so large and varied that they will always be popular where display is wanted. Roots easily injured by frost. Set two feet apart. Tie to stakes. Assorted colors. Each, 15c; doz., \$1.50.

WHITE SHADES

A. L. CHASE—Creamy white, streaked with purple, sometimes solid purple.

BON MAZA—An old Dahlia, hut one of the best. White ground, streaked and marbled in a curious manner with bright red.

GLORIE DE LYON—Pure white. The largest white Dahlia in cultivation; almost round as a ball.

GRAND DUKE ALEXIS—An immense white flower, shaded with delicate lavender.

LADY MILD MAY—A very beautiful flower. White ground, shaded to pale lilac; very large and full; free bloomer.

MRS. LINDER—This new decorative Dahlia we consider one of our best. Its color is a beautiful creamy white, shading to bluish pink.

SNOW—A beautiful pure white; long stem. Excellent for cutting.

PURPLE, RED AND MAROON

BON TON—A fine ball-shaped flower of a deep garnet red, sometimes tipped and streaked with white. An extra fine Dahlia.

FRANK SMITH—Rich dark maroon. Generally tipped with pure white, shaded into pink. One of the best.

FLORAL PARK JEWEL—Rich, purple red, tipped and striped with white. Sometimes solid color.

GRAND MOGUL—Bright scarlet tipped, and streaked with pure white.

LYNHURST—Scarlet or vermillion. A noble flower.

NAVAJO—The color is very rich, being a most intense red, with violet shading.

PIONEER—The nearest approach to a black Dahlia of any yet introduced.

PURPLE GEM—Rich, royal purple, clear and constant.

PINK

A. D. LIVONI—Rich pink, finely formed, a very handsome flower.

ANNIE MOORE—A fine variegated flower of medium size. Color, beautiful combination of cherry, pink and white.

DR. GATES—This is a lovely shade of shell pink, shading to blush at the end of the petals.

DR. MUIR—Flowers are large and full. Color, apricot, shaded to orange bronze.

MADAM VAN DEN DAEL—An immense shell pink decorative Dahlia.

YELLOW SHADES

GOLDEN TREASURE—A beautiful burnt orange color. Flower large, well formed and full to the center.

FAUNUS—One of the grandest flowers in cultivation. Of immense size and perfect form. Deep yellow, tipped and shaded with cherry red.

MISS DODD—Purest yellow. Of exquisite form and color. A remarkably handsome flower.

MISS RUTH—Lemon yellow, tipped with pure white; sometimes clear yellow.

MRS. HARTONG—Very large and exquisite form. Color, light fawn, suffused with pink; handsome.

MRS. T. F. DE WITT—The large, yellow flowers are perfect both in form and color.

THE BARON—Bright yellow flowers, sometimes tipped with white.

TUBEROUS BEGONIAS—Bloom constantly during the summer. Desirable both for pots and beds. Flowers are large and brilliant. Bulbs 1¼ inch and up in diameter. The following possess real merit: Crimson, Yellow, White, Scarlet, Pink and Orange. Each, 10c; doz., 1.00.

CALADIUMS—Esculentum (Elephant's Ear)—Unequaled as a foliage plant. The leaves are shield-shaped, bright green, often measuring 3 feet or more in length and breadth. Very imposing in appearance when developed. They need very rich soil and abundance of water. 10c., 25c. and 35c. Each.

We deliver free all Garden Seeds, sold by the pound, ounce or packet, to any postoffice in the United States.

BULBS FOR SPRING AND FALL PLANTING

If you have never had any of these in your garden, get some now. All the attention they require is to put them in the ground in the fall and in the early spring you will have a head of the most beautiful, waxy flowers. We carry a full line of Tulips, Hyacinths, Narcissus, Crocus and Lilics. We import our bulbs direct from Holland. Write for prices in October or November.

TUBEROSES—One of the most charming and fragrant of our summer-flowering bulbs, throwing up large spikes of pure white double flowers which are very useful for decorative work. Plant in the open ground during May. By starting in pots during March, a succession of bloom can be had all summer. Excelsior pearl bulbs, Price: Per doz., 35c.

GLADIOLI—This class of summer flowering bulbs is doubly valuable for the brave field show of bloom and for its generous supply of cut flowers. Gladiolus flowers last longer when cut than almost any other flowers, and develop in water to a greater perfection than if left on the plant. Any rich light garden soil will grow Gladiolus, if properly worked in preparation, and exposed to the benefit of full sunlight.

These mixtures will be found to contain flowers equal to finest named kinds, and a great range of shapes, colors and markings. Plant in April and May, about 3 inches deep. Mixed colors. Price: Per doz., 35c.

CANNAS (Height, 4 feet.)

Each, 15c; 2 for 25c; per doz. 1.25.

CHAS. HENDERSON—Crimson, good bedder, green foliage.

CHICAGO—Light cherry scarlet, green foliage.

DUKE MARLBOROUGH—Rich maroon, green foliage.

KING HUBERT—Orange Scarlet, Bronze foliage.

DAVID HARUM—Large vermillion flowers, dotted with crimson spots, bronze foliage.

SHENANDOAH—Large salmon colored flowers, bronze foliage.

Height, 5 feet.

ALLEMANIA—Orchid flowered, scarlet with yellow border, green foliage.

BURBANK—Orchid flowered, yellow with crimson spots, green foliage.

AUSTRIA—Orchid flowered, yellow with pale red spots, green foliage.

FLORENCE VAUGHAN—Yellow, dotted with red, green foliage.

MELLE. BERAT—Bright rosy carmine, green foliage.

Height, 6 feet.

ALPHONSE BOUVIER—Crimson, strong grower, green foliage.

EXPLORATOR CAMPBELL—Deep rich crimson, green foliage.



CANNA.

Bleeding Hearts.....	Each,	\$0.15
Peonies, double, all colors.....	Each,	.25
Hardy Sweet Violets.....	Per doz.,	.75
Iris, German.....	Per doz.,	.50
Iris, Japan.....	Per doz.,	2.00
Rubeckia, or Golden Glow.....	Per doz.,	1.00
Snowdrops.....	Per doz.,	.20
Hardy Phlox.....	Each,	.10
Hardy Chrysanthemum Plants.....	Each,	.10
Hollyhocks, double, hardy.....	Each,	.10
Honeysuckle.....	Each,	.25
Boston Ivy.....	Each,	.25
Clematis, Purple.....	Each,	.50
Clematis, White.....	Each,	.25
Lily of the Valley Pips.....	Per doz.,	.50



FIELD OF WHITE PEONIES

ROSES

EVERBLOOMING HYBRID TEAS or MONTHLY ROSES

Hybrid Tea Roses are the "most" valuable for outdoor planting when a permanent bed is desired. They will do well almost anywhere, but should have a deep, rich soil. A mulching of straw will greatly benefit them during the winter months.

We have listed only the choicest of the new and old varieties.

AMERICAN BEAUTY—The largest and best of all hardy roses; a genuine ever-blooming rose. Color, rich crimson; with wonderfully sweet fragrance. 50c each.

METEOR—A remarkably fine rose; color very rich velvety crimson. 35c each.

HELEN GOULD—A charming rose. Color rosy crimson. Flowers large and perfectly double. 35c each.

MADAM COCHET—A beautiful pink, sometimes tinged with the faintest suggestion of blush. 35c each.

LA FRANCE—Delicate silvery rose shaded with cerise pink; very large double and of superb form. 35c each.

C. SOUPERT—White Pink Center.—A free blooming rose, commencing when but three or four inches high, and never being without bloom if kept in a healthy growing condition. 35c each.

TEPLITZ—One of the brightest colored roses grown, dark rich crimson changing to fiery red. Blooms continually. Makes nice pot plants. 35c each.

AUGUSTA VICTORIA—A beautiful rose with large pointed buds and very large full double flowers; color delicate creamy white; deliciously fragrant. 35c each.

OPHELIA—Color is salmon-flesh, shaded with rose. The blooms come on strong stems, and the perfectly formed flowers, with their strong, firm petals, are very lasting when cut. A favorite with everyone who grows it. 35c each.

JONKHEER J. L. MOCK—The color is carmine on the outside and imperial pink on the inside of the flower. The blooms are very large, perfectly formed, and highly perfumed. You should plant an entire Rose-bed of this one kind. 50c each.



AMERICAN BEAUTY.

JUBILEE—A very superior rose; pure red shading to crimson and maroon at the base of petal, forming a coloring equalled by that of no other rose. 35c each.

ORANGE KILLARNEY—(Duchess of Wellington.)—New The flowers are an intense saffron-yellow or orange-color; very attractive and without a rival in this class and color. 50c each.

KILLARNEY BRILLIANT—(H. T.) Flower is larger, more double, and a more brilliant pink than the parent Killarney. It is also fragrant and blooms freely. A desirable addition to this famous family and a Rose that pleases everyone. Splendid as a cut-flower. 50c each.

WHITE AMERICAN BEAUTY—A pure, paper white, free-flowering, large-sized Hybrid Perpetual. The bloom is perfect in form on fine, long stems, and of the richest possible white, 50c each.



WHITE AUGUSTA VICTORIA

HARDY CLIMBING ROSES

CRIMSON RAMBLER—Recognized as the most beautiful of climbing roses. Flowers are produced in large pyramidal clusters, thirty-five or forty in a cluster, nothing is more effective. 35c each.

CLIMBING AMERICAN BEAUTY—Has the crimson color and the delightful fragrance of the bush American Beauty; grows to a height of 15 feet, and produces hundreds of perfect blooms at one time. 50c each.

DOROTHY PERKINS PINK—Grows 10 to 15 feet in a season. Flowers are perfectly double, with petals crinkled, and color is a clear shell-pink, borne in immense clusters that cover the bush for several weeks in the spring. 50c each.

RED DOROTHY PERKINS—The color is an intense, clear carmine-lake, a rich contrast to Pink Dorothy Perkins. Flowers are large and double, produced thirty to forty on a stem, and almost every eye on a shoot produces a cluster of bright blossoms. 50c each.

HARDY ORNAMENTAL SHRUBS

Altheas, Calycanthus, Hydrangias, Lilacs, Spireas, Syringas, Tamarix, Snowballs, Weigelia, Barberry, Japan Quince, Desmodium, Cal. Privet, etc.

FRUIT TREES

Cherries, Plums, Peaches, Apples, Pears, Apricot, 2-year-old trees. Each, 40c.

STRAWBERRIES

SENATOR DUNLAP (Perfect)—Early wonderful producer, good size, of bright red color.

HAVERLAND (Imperfect)—Early, good variety for home use. Bright glossy crimson.

WARFIELD'S (Imperfect)—Early, solid, of good flavor, reliable market sort.

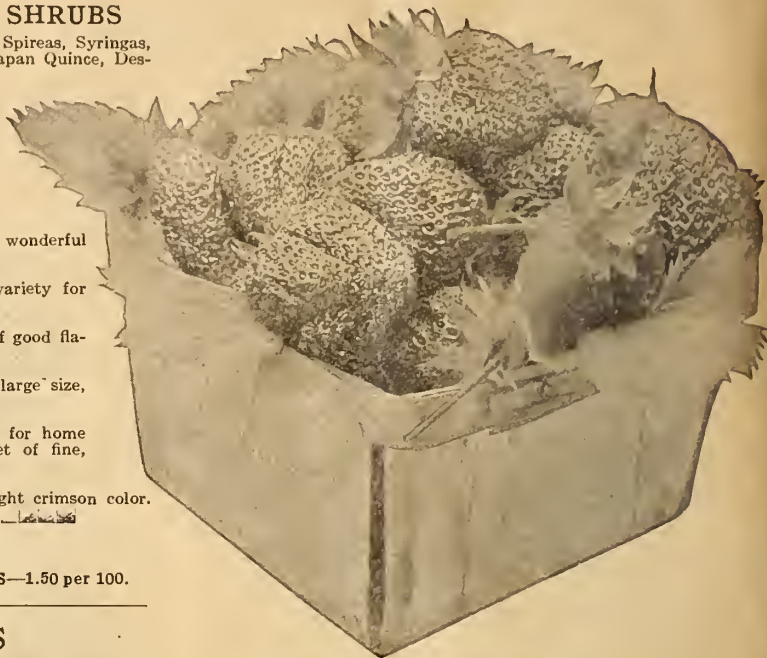
BRANDYWINE (Perfect)—Midsummer, large size, glory scarlet, juicy and luscious.

AROMA (Perfect)—Late, one of the best for home use or market gardeners; large and sweet of fine, glossy color.

GANDY (Perfect)—Late, of large size, bright crimson color. This is one of the leading varieties.

Prices on Application.

EVERBEARING STRAWBERRY PLANTS—1.50 per 100.



EVERBEARING STRAWBERRIES.

GRAPE VINES

BLACK VARIETIES—Concord, Worden and Moore's Early.

RED VARIETIES—Catawba, Delaware and Woodruff.

WHITE VARIETIES—Niagara and Pocklington.

Price: Each, 10c; 3 for 25c.

GOOSEBERRY AND CURRANT BUSHES. Each, 15c, 2 for 25c.

ADAM'S SUPERIOR LAWN GRASS SEED

Produces a perfect and enduring lawn of luxuriant richness, with closely interwoven, firm, deep and elastic turf, and it is often ready for cutting in four weeks from time of sowing. This celebrated Lawn Grass is composed of a thoroughly balanced combination of various native and foreign fine-leaved, deep-rooted grasses of interwaving habit, that flourish under our varied conditions, soils and climates, growing during different seasons of the year, so that a deep green, smooth and velvety sod, free from clumps, is maintained from snow to snow, year after year, and without burning brown in summer. Price: One pound, 35c; 10 lbs., \$2.75; 100 lbs., \$27.00.

FRUIT PACKAGES

BERRY BOXES, CRATES, BASKETS AND TREE PROTECTORS.

Berry Boxes (500 in bdl.) pints.....	Per 1,000,	\$3.25
Berry Crates (10 in bdl.) pints.....	Per 100,	10.00
Berry Boxes (500 in bdl.) quarts.....	per 1,000,	4.25
Berry Crates (10 in bdl.) quarts.....	Per 100,	11.50
Climax, 6-lb. Basket, with flat covers.....	Per 100,	4.50
Climax, 6-lb., Basket, without covers.....	Per 100,	4.00
Fruit Tills, 2 and 3 quarts.....	Per 100,	1.50
Diamond Market Baskets.....	Per doz.,	.75
½-bu. Picking Baskets.....	Per doz.,	4.00
1-bu. Baskets.....	Per doz.,	2.10
½-bu. Wire Potato Baskets.....	75c each; Per doz.,	7.50
Tree Protectors.....	Per 100,	.75

We carry a large stock of these goods. Prices subject to market changes.



LOW PRICED NITROGEN

Nitrogen is necessary to your crops. It is the most expensive fertilizer element. You can get it for practically nothing if you are going to plant, alfalfa, clovers, peas, beans, vetch or other legumes by the use of

FARMOGERM

a pure culture of nitrogen gathering bacteria that take nitrogen from the air; feed the growing plant all it needs and leave a large quantity in the ground for succeeding crops.

EASY TO APPLY—Simply add water and a little sugar, shake thoroughly and pour on the seed; mix and let dry and then plant the same day in the usual manner.

SEE THAT TUBE.

This is the patented device belonging to Farmogerm only. By its means bacteria are supplied with air and moisture is kept in bottle. This keeps the bacteria strong and active for years; they are always ready for immediate use.

PRICES.

1 garden size, \$0.50; 1 acre size, \$2.00; 5 acre size, \$7.50.
In ordering be sure and specify what kind of seed you intend to inoculate.

USE FARMOGERM

Nitrogen Gathering or Legume Bacteria FOR BIG YIELDS

Inoculate your alfalfa, clovers, peas, beans and other leguminous crops and secure maximum yields. Nothing makes such crops thrive so well as a good supply of nitrogen nodules. Nodules on the roots of leguminous plants shows the presence of live, active nitrogen gathering bacteria in the soil. Farmogerm supplies the bacteria to make these nodules. The soil is greatly enriched and good soil made still better. Moistens enough nitrogen. The more nitrogen you add to all progressive yields you may expect. Inoculation or into general practice with Nitrogen Bacteria is recommended by rural journals and experts, and has come country.

Heavy legum crops be up-to-date farmer over the entire plowed under for green manure. The use of Farmogerm and cheapest and most effective method, the surest and by far the best for enriching the soil.



ALFALFA
Un-Inoculated Inoculated

Glover, Timothy, M. and Grass Seeds



ALFALFA.

For Prices on Larger Quantities of Garden and Field Seeds
Send for Our Special Price List.

Prices Subject to Market Changes.

Owing to the unsettled condition of the Grass Seed Market at the time of going to press we cannot make firm prices on Clover, Timothy and Grass Seeds, but purchasers will receive as much as the money sent will pay for but when a quantity is wanted it is well to ask prices in advance.

When ordering by mail, add postage per zone rate.
RED CLOVER—The most important and best known of all the Clovers, being used for hay, pasture and enriching the land and for the latter purpose is considered the cheapest fertilizer known.

For a rotation it always prepares the ground for the succeeding crop so that success is almost assured. One lb., 50c; 100 lbs., \$46.00.

MAMMOTH OR SAPLING—Grows much larger and lasts longer than the common red clover; is most valuable for plowing under and reclaiming exhausted lands. Good for thin soils. One lb., 55c; 100 lbs., \$46.50.

ALFALFA CLOVER—Every year adds to the popularity of this valuable forage crop, and the fact that it will produce double the forage of red clover in good years and in drouthy ones is often the salvation of the farmer, makes it the greatest acquisition of recent years. As a meat-maker, milk-maker and money-maker it is equally prized, and as a renovator and improver of soils it has no competitor. One lb., 25c; 100 lbs., \$22.50.

ALSIKE OR SWEDISH CLOVER—The heads are glohular and very sweet and fragrant, and much liked by bees, who obtain a great amount of honey from it. It produces a great amount of herbage during the season; the stalks being very fine, it makes a valuable hay crop. It is suited to wet land and will produce a good crop where other clovers would fail. Sow 4 to 6 pounds to the acre. Pound, 40c; 100 lbs., \$37.50.

WHITE CLOVER—It makes an excellent pasture for cattle and sheep and is valuable for lawns. It will grow on almost any soil, but is best adapted for low moist lands. Should be included for all mixtures for lawns or permanent pasture. It is also valuable to prevent soil from washing. Pound, 60c; 10 lbs., \$5.50.

WHITE OR BEE CLOVER (Bokhara Sweet)—Highly recommended by experimental stations; especially adapted to bees. The honey from it being as clear as a crystal. It is also highly recommended as a fertilizer, to be turned under when green. It is a very quick, vigorous grower, and possesses superior qualities to most other clovers. Pound, 30c; 100 lbs., \$25.00.

TIMOTHY—The most popular, nutritious and salable hay grass. There are better grasses for pasture, but none for hay. Grazing close injures the second year's growth. Fancy. Pound, 20c; 100 lbs., \$14.00.

KENTUCKY BLUE GRASS, the Great American Grass—Old standard grass for pasture and lawns. Every farmer knows its value. Succeeds in nearly all soils, but best in limestone districts. Well known everywhere. Sow about 25 to 30 pounds to the acre for meadow, and from 65 to 80 pounds per acre for lawns. Put on plenty and avoid disappointment in your lawn. A top dressing of fine manure after sowing and in the fall and spring will be of great benefit. Fancy, clean seed. Pound, 35c; 10 lbs., \$2.85; 100 lbs. \$25.00.

ENGLISH BLUE GRASS (Meadow Fescue)—A valuable pasture grass. Its long and tender leaves are much relished by all kinds of stock. Cured like Timothy, yields a very superior quality of hay. It is one of the earliest in the fall and latest in the fall. Height, 18 to 24 inches. 10 lbs., \$3.00; 100 lbs. \$24.50.

ITALIAN RYE GRASS—Similar to the English Rye Grass. Very nutritious and valuable for sheep feeding; also excellent for hogs. Height, 18 to 30 inches. Pound 30c; 10 lbs. \$2.50; 100 lbs. \$13.00.

DWARF ESSEX RAPE—The demand for Dwarf Essex Rape is becoming so great that it is increasing many fold each year. It is easily grown everywhere, and it always gives the best of satisfaction. As a forage plant for hogs, cattle or sheep it cannot be surpassed. There is but one true variety, and that is English grown, and we offer you the true stock. By freight, or express, Pound, 15c; 10 lbs., \$1.40; 100 lbs., \$13.00.

RED TOP—Valuable for moist soils. Good permanent grass. Stands our climate well and adapted to our pastures, in which it should be fed close, for if allowed to go to seed cattle refuse it. Grows best on moist rich soil. On gravelly soil grows lower. Has succeeded on Alkali soils when other grasses failed. Fancy clean or hulled seed, sow 15 to 18 pounds to the acre. Pound, 20c; 10 lbs., \$1.75; 100 lbs. \$16.50.

BERMUDA GRASS—Peculiarly adapted to the Southern States. A delicate grass, valuable alike for pasture and hay crop. Grows on any soil. Oklahoma Experiment Station recommends it highly. It does well in south part of Kansas and Southern States generally. A dry weather grass, and is splendid to bind loose soils together. Propagate by division of the roots or sow the seed in amounts of five to six pounds to the acre. Sow from April to June. Pound, 75c.

ORCHARD GRASS—This is one of the most valuable and widely known of all pasture grasses, coming in the spring and remaining later in the autumn than any other; it grows about 2½ feet high and produces an immense quantity of leaves and foliage. It is well adapted for sowing under trees or orchards and very valuable either for grazing or for hay. Sow about 28 lbs. per acre. Pound, 40c; 10 lbs., \$3.25; 100 lbs., \$30.00.

SUDAN GRASS

SUDAN GRASS—This grass was introduced by the Department of Agriculture and it has been tested at several experiment stations. It looks as though Sudan Grass could well take the place of millet or any other annual hay crop. If sown about May 1, at the rate of 35 to 40 pounds per acre, it may be cut sometimes in July just before heading out. This gives time for a second growth to reach the stage where it can be used for pasture or cut for hay. From the fact that Sudan Grass may be used to produce two crops per year from a single seeding, it looks to us though it should be preferable to millet.

This does not mean that Sudan Grass will replace Timothy or Clover, but will doubtless compete with Millet wherever that is now grown.

Sudan Grass belongs to the Sorghum family. It is an annual, lacking underground root stalks. Two cuttings can be obtained under favorable conditions. The yields vary from 1 to 8 tons of cured hay per acre.

It does best in hot weather and is not suited to high altitudes. Sudan Grass makes heaviest yields on a rich loam, but it has been grown successfully on almost every class of soil from a heavy clay to light sand. The ground should be firm and well drained.

Sow Sudan Grass after the soil has become warm, about corn-planting time. It may be drilled from one-half to one inch deep. For seed production, sow 6 pounds per acre in rows and cultivate. When broadcast, sow 16 to 24 pounds per acre. It may be cut with a mower or binder. Pound, 25c; 10 lbs., \$2.00. Per 100 lbs., \$18.00

FIELD PEAS

For Prices on Larger Quantities of Garden and Field Seeds Send for Our Special Price List.
60 Pounds Per Bushel.

Field Peas are largely grown in Southern States, but great hay crop and as a fertilizer, in which respect they are of last value. The peas may be sown in corn at the rate of one bushel per acre, or after a crop of early potatoes, they may be sown broadcast at the rate of one and one-half bushels per acre or they can be planted in rows about three feet apart, seed corn planter. This will require only one-half bushel per acre. The cow peas, by their rapid, and to a remarkable down weeds and put soil in good, friable green food for milch year's crop, increasing the fertility and cured for hay; or a extent. The vines furnish an excellent crop to turn hogs into cows until frost, or they may be used as a green manure. They readily very profitable way to feed pods, and thrive amazingly. Or eat the foliage and the entire crop plowed under as a green manure.

WHIT—A speckled seeds, which are more easily gathered than vine-growing sorts. This variety is a prime favorite on account of its early maturity and habits. Pound, 10c; 50 lbs., \$2.75.

NEW ERA—This Pea is fully two weeks earlier than the popular Whippoorwill variety; a very great advantage to the farmer. In size it is one-third smaller than the Whippoorwill—another great advantage. It is a so-called Bunch Pea, similar to the Whippoorwill in growth. In sections of Missouri and Illinois the New Era Pea is planted after the wheat crop has been cut, and matures early enough in the fall to harvest in time to sow winter wheat on the same field. This cannot be said of any other variety of Cow Pea. They produce more seed than Whippoorwills and where, where known are used almost exclusively. Pound, 10c; 50 lbs., \$2.75.

CANADIAN FIELD PEAS—For dairy cows and hogs they are equal to corn, and six weeks earlier. They should be sown early in April with oats, using two bushels of oats and two bushels of the peas per acre. The peas should be sown first and plowed under to a depth of about four inches, then sow and harrow in the oats. They will be ready to cut in July. As a fertilizer they come next to clover, and will grow on land that will not produce clover. Pound, 15c; 50 lbs., \$4.75.

MAMMOTH RUSSIAN SUNFLOWER

Unequaled for a Food for Poultry.

MAMMOTH RUSSIAN SUNFLOWERS produce very large heads, often twenty inches across, which are completely filled with the striped grains. It succeeds everywhere, and requires but little rain to insure a crop. It makes an enormous yield of seed. It is a good food for stock and cannot be equaled as a food for poultry, being the greatest egg-producing food known. The heavy stalks make good fuel. The plant, when growing is also said to be a protection from malaria. Plant when the ground becomes warm at the rate of two pounds per acre. Pound, 20c; 10 lbs., \$1.75; 100 lbs., \$15.00.

Hemp Seed: Pound, 15c; 10 lbs., \$1.25.

Canary Seed: Pound, 30c; 10 lbs., \$2.75.

MILLETS

50 Pounds Per Bushel.

The market on Millet and Cane is uncertain; if quantity is wanted, ask for price.

The several varieties will furnish food for live stock in the form of grain, fodder or pasture. Especially valuable in seasons when the hay crop is short. They make the best hay if cut when in blossom and carefully cured.

COMMON—Requires a dry, light, rich soil, and grows 2½ to 4 feet high, with a fine bulk of straw and leaves and is excellent foliage. Choice. Pound, 10c; 10 lbs., 75c; 100 lbs., \$5.00.

GOLDEN (formerly called German)—It is usually given preference, by those who use Millets, over the common variety and Hungarian. It is a strong grower and will yield enormous crops of the finest hay, and should be cut before the seeds harden. Can be sown late after some early crop, and if sown early will mature in time for the ground to be plowed for wheat, and it leaves the ground in fine shape for this purpose. For grain, sow in drills, not later than June 20. Fancy. Pound, 10c; 10 lbs., 75c; 100 lbs., \$6.50.



A FIELD OF CANE

CANE

50 Pounds Per Bushel.

Price Subject to Market Change.

EARLY AMBER—Farmers and stockmen say that Early Amber Cane is the most valuable fodder plant in existence. Not only is it adapted for feeding purposes, but its great qualities as a Sorghum producer is one of a paying investment, and has attracted general attention everywhere. It is profitably grown anywhere from Manitoba to Mexico, on any good corn ground, and is but little affected by drouth. Pound, 10c, per 100 lb., \$6.00.

EARLY ORANGE—A variety well adapted for the South. It is from eight to ten days later than the Early Amber and produces a syrup of excellent quality. Pound, 10c., per 100 lbs., \$6.00.

YELLOW MILO MAIZE (MILO)

50 Pounds Per Bushel.

Growth is tall, 9 to 12 feet, stooling from the ground like White Milo Maize, but not so much. It sends shoots also from the joints. Seed heads grow to great size, often weighing $\frac{3}{4}$ of a pound, sometimes a full pound after ripening. On account of its branching habits this grain should be planted in rows 4 to 5 feet apart, and 2 to 3 feet in the drill, or two plants in a bill, 3 to 5 feet apart. Pound, 10c; 100 lbs., \$5.00.

BROOM CORN

Will succeed in any good corn soil and will make a crop with little rain. Besides the husk, it will produce a large yield of grain equal in feeding value to oats. Three pounds of seed are required for an acre when drilled in rows 3 feet apart.

IMPROVED EVERGREEN—A favorite in Kansas, Nebraska and Missouri. Grows to a good length, and if cut at the proper time retains a good color. Pound, 15c; 100 lbs., \$6.00.

DWARF BROOM CORN—This variety grows only 3 or 4 feet high, and is much easier banded than the tall growing sorts. The husk is straight, smooth and of good quality. Pound, 15c; 100 lbs., \$6.00.

NON-SACCHARINE

WHITE KAFFIR CORN—Grows low, stock perfectly erect; the foliage is wide, alternating closely on either side of the stalk. It does not stool from the root, but branches from the top joints, producing from two to four heads of grain from each stalk. On very thin and worn lands it yields paying crops of grain and forage even in dry seasons, in which corn has utterly failed on the same land. If cut down to the ground two or more shoots spring from the root and growth is thus maintained until checked by frost. Pound, 10c; 100 lbs., \$4.00.

RED KAFFIR CORN—Pound, 10c; 100 lbs., \$5.00.

FETERITA

The two best features about Feterita are its wonderful ability to resist drouth and its earliness. It proved its ability to stand dry weather last summer when it made good yields and in some cases without any rain whatever. Some growers report that Feterita is fully thirty-five to fifty days earlier than Kaffir and this also is a big advantage. Those of you who have had Kaffir Corn caught by the frost will appreciate this. Pound, 10c; 100 lbs., \$4.00.



SELECTED GRADED SEED CORN

BUTTED AND TIPPED.

56 Pounds Per Bushel.

Prices Subject to Change.

While we have had a poor corn crop in some sections of the country, we have been able to secure some of excellent quality, and the test shows high germination. We will be able to furnish the following varieties of good quality until our stock is exhausted. Prices subject to change without notice.

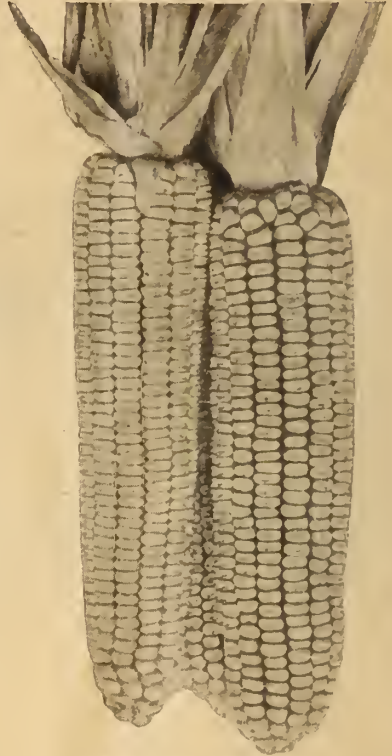
SELECTED GRADED SEED CORN--Continued

REID'S YELLOW DENT—This is a splendid yellow dent variety with eighteen to twenty-four rows of kernels on an ear. The cob is small and grains are very close together so that there is scarcely any room between the rows. Reid's Yellow Dent has been awarded more prizes at Corn Shows than any other variety. The ears average from eight to eleven inches in length. The stalks are very heavy, and are not easily blown down. This corn will mature under favorable conditions in about 90 days. Our stock is grown for us by one of the largest and most reliable growers. Pound, 10c, 10 lbs., 75c, 50 lbs., \$3.00.

PRIDE OF THE NORTH—90 Days—An early yellow 'Dent' corn, maturing in this climate in 90 days. An excellent corn for stock and is quite prolific, very often yielding two ears to the stalk. Deep, soft grain and small red cob. Pound, 10c; 10 lbs., 75c; 50 lbs., \$3.00.

IMPROVED LEAMING—90 Days—This is one of the earliest yellow Dent corns in cultivation, ripening in from 90 to 95 days from planting, surpassing the Yellow Canada and Flint varieties in earliness, productiveness and quality. The ears are large and of an orange yellow color and small red cob; generally producing two good ears each, and husks and shells very easy. Pound, 10c; 10 lbs., 75c; 50 lbs., \$3.00.

KANSAS SUNFLOWER CORN—90 Days—This is the largest Early Corn we know of, ears averaging one foot in length and about 2 inches in diameter, weighing one pound and upwards. The ears are uniform in size, and shape and of a fine golden color. It is early maturing in 90 days. Stalks grow about 8 feet high, are very leafy and furnish large quantity of fodder. We can recommend it highly to anybody who wants a large early yellow corn. Pound, 10c, 10 lbs., 75c, 50 lbs., \$3.00.



REID'S YELLOW DENT.

As the market prices of Field Seeds are constantly changing we ask when wanting seeds in quantity that you ask in advance for prices, when we will quote as low as the market will afford.

Sacks for Field Seeds, 65c each.

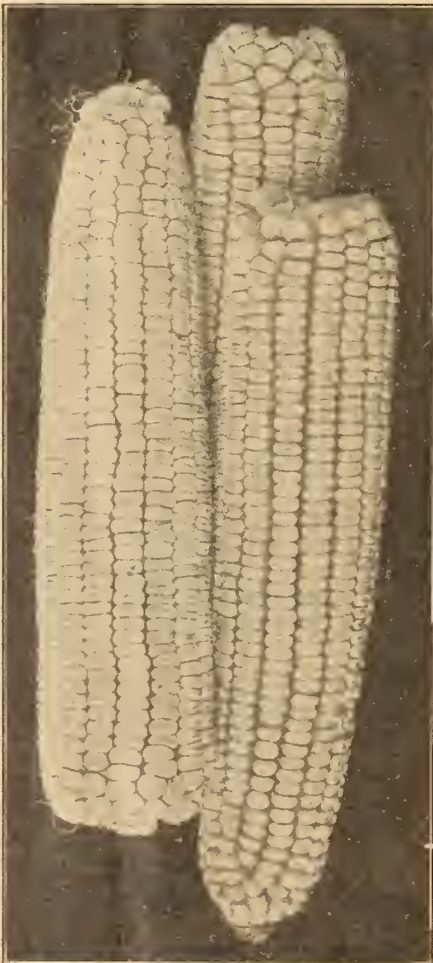
IOWA GOLD MINE—90 days is very early; ripening only a few days later than Pride of the North; golden yellow; grain very deep; cob small. Will make excellent early crop, or will mature if planted after wheat is cut or early potatoes dug. Pound, 10c; 10 lbs., 75c; 50 lbs., \$3.00.

GOLDEN BEAUTY—100 Days—This variety is a very large grained and handsome yellow corn. The ears are of perfect shape, with from ten to fourteen straight rows of brightest golden yellow with grains of remarkable size, small cob, filled out completely to the extreme end. The richness of color and fine quality of grain make it very superior for grinding into meal. Pound, 10c; 10 lbs., 75c; 50 lbs., \$3.00.

HILDRETH'S YELLOW DENT—100 Days—This is a very large growing variety. The ear is large and well rounded at butt and tip. The kernels are inclined to be small, but are very deep. Indentation, medium rough; color deep golden yellow. Pound, 10c; 10 lbs., 75c; 50 lbs., \$3.00.

JACKSON COUNTY WHITE—It resembles the Reid's Yellow Dent in size, only the length of the grain is narrower and longer; usually running $\frac{1}{2}$ inch in length and from 24 to 26 rows to the ear. Ears run uniform in size from butt to tip and filled out completely at the ends. This corn yielded 70 bushels to the acre this year and matured in about 95 days. We consider this the best white corn on the market. We have selected several hundred bushels of this corn and already have sold part of it. Would advise you to give us your order early. Pound, 10c; 10 lbs., 75c; 50 lbs., \$3.00.

IOWA SILVER MINE—White—Stalks grow to a height of about 7 or 8 feet and set the ears about $3\frac{1}{2}$ or 4 feet from the ground. Ears 10 to 12 inches in length, weighing one and one-half pounds; uniform in size and shape, with pure white kernels set on a small white cob, and are well filled out over the tip. It is early maturing in 95 days. Seventy pounds of corn in the ear will make 60 pounds shelled. It is hardy, a great drought resister and summing it all up, the acme of perfection. Pound, 10c; 10 lbs., 75c; 50 lbs., \$3.00.



BOONE CO., WHITE.

CHAMPION WHITE PEARL—An extra early, pure white variety of the Dent family; very productive and exceedingly early maturing in 85 to 90 days from the time of planting. The grain is extra deep and wide, two of which will more than span the cob, which is very small. Pound, 10c; 10 lbs., 75c; 50 lbs., \$3.00.

BOONE COUNTY WHITE—An exceedingly large-eared white corn with small cob for size of ear. Solid, medium early and extremely productive—best white corn in existence. Don't fail to try it. Pound, 10c; 10 lbs., 75c; 50 lbs., \$3.00.

HICKORY KING—100 Days—The cob is so small and the grain is so large that when an ear is broken in half, one grain will cover the entire end of the cob. Nearly all of the stalks bear two ears, and we consider it one of the best white corns

grown. It ripens in from 100 to 110 days from time of planting. Pound, 15c; 10 lbs., 1.00; 50 lbs., \$3.50.

POPCORN

POPCORN—White Pearl—Our common market variety. Pound, 20c; 10 lbs., \$1.75; 50 lbs., \$7.50.

WHITE RICE—A very handsome variety; kernels long, pointed and resembling rice; color white; very prolific. Pound, 20c; 10 lbs., \$1.75; 50 lbs., \$7.50.

QUEEN'S GOLDEN—The stalks grow 6 feet high, and the large ears are produced in abundance. It pops perfectly white, and a single kernel will expand to a diameter of one inch. Pound, 20c; 10 lbs., \$1.75; 50 lbs., \$7.50.

SEED POTATOES



RED RIVER OHIO.
POTATOES 60 LBS. PER BUSHEL

For Prices on Larger Quantities of Garden and Field Seeds
Send for Our Special Price List.

Prices subject to change without notice. 50 lbs., at 100 lb rate.

RED RIVER OHIO—This potato is grown in the Red River Valley, and well pays for the difference in price of it and the native Ohio, and after once having planted them, you will plant no other. 100 lbs., \$3.00.

TRUE EARLY ROSE—The Early Rose is a standard early potato and is so well known as to need no description. We are prepared to sell fine Northern grown selected stock. 100 lbs., \$3.00.

IRISH COBBLER—One of the most popular of the early varieties. Its excellent quality, together with its cream-white color, makes it fine for the best trade. It is a vigorous grower, a good keeper, and ripens uniformly. 100 lbs., \$3.50.

EARLY SIX WEEKS—The Six Weeks is evidently a seedling Early Ohio, which it closely resembles in every way, but is earlier, makes taller stalks and appears to yield better on upland than that variety. It is well described as growing tubers close together in the hill. The potatoes grow so rapidly that under favorable circumstances they are fit for table use in six weeks from the time of planting, and mature between ten and eleven weeks. It revels in moist land. 100 lbs., \$3.50.

BURBANK'S SEEDLING—White skinned, few eyes, fine grained flesh, dry and floury when cooked; very productive,

ripening between the early and late varieties. 100 lbs., \$3.00.

TRIUMPH—Red River Stock—This potato is much sought after on account of its productiveness, fine quality and beautiful appearance, which makes it one of the best early market varieties, especially for the South, from which they are shipped to Northern markets, bringing the highest prices. 100 lbs., \$3.50.

SWEET POTATOES

Prices Subject to Change.

50 pounds at 100 pound rates.

Yellow Nansemond , standard variety for main crop	
35 lbs. per bu.....	Per 100lbs., \$5.00
Red Nansemond , like above, except skin is red,	
50 lbs. per bu.	Per 100 lbs., 6.00
Jersey Yellow , shorter and thicker than Nansemond,	
35 lbs. per bu.	Per 100 lbs., 5.00
Southern Queen , a large early potato,	
50 lbs. per bu.....	Per 100 lbs., 6.00
Red Bermuda , a large early potato,	
50 lbs. per bu.....	Per 100 lbs., \$6.00.

Sweet Potato Plants in Season. Postpaid, 100, 75c; 1000 \$5.50.

OATS



FIELD OF OUR RED TEXAS RUST-PROOF OATS.—75 bu. per acre.

For Prices on Larger Quantities of Garden and Field Seeds
Send for Our Special Price List.

32 Pounds Per Bushel.

50 pounds at 100 pound rates.

RED TEXAS RUST-PROOF OATS—Very early, rust proof, does well on thin ground and does not lodge, will bear neglect or a bad season and still make a crop. Sacked, per 100 lbs., \$4.00. Ask for prices on larger lots.

WHITE BONANZA—One of the finest varieties in cultivation and yields extraordinary crop; very early, stiff straw, grows four feet high; heads remarkably heavy; grain short and plump;

resembling harley in shape, and has never rusted or fallen down on the richest soil; weighs from 35 to 40 pounds per level bushel. Sacked per 100 lbs., \$4.00.

BUCKWHEAT—Japanese, per 100 lbs., \$6.50; Silver Hull, per 100 lbs., \$6.50; Common, per 100 lbs., \$6.50.

SEED RYE—Rye does best on rich sandy soil, almost a sure crop every year; should be sown in August or September, either in drills or broadcast, at the rate of one to one and one-half bushels per acre; is raised both for pasture and grain. Per bu. (56 lbs.), \$2.25; 100 lbs., \$4.00.

Free!

We will give the following collection of either flower or garden seeds, (providing you mention same when ordering) with every order amounting to \$1.50 or over. Please mention whether flower or garden seeds are preferred.

FLOWER SEEDS

- 1 pkg. Dwl. Nasturtium Mixed.
- 1 " Sweet Peas Mixed.
- 1 " Zinnia Mixed.
- 1 " Marigold Mixed.
- 1 " Mignonette.

GARDEN SEEDS

- 1 pkg. Canteloupe, Imp. Rocky Ford.
- 1 pkg. Cucumher, Davis Perfect.
- 1 pkg. Radish, Scarlet Turnip, W. T.
- 1 pkg. Tomato, Ponderosa
- 1 pkg. Lettuce, Curled Simpson.

POULTRY SUPPLIES

Prices subject to change.

Postage and express to be paid by purchaser.

In the limited space that we can devote to the merits of poultry and stock foods and remedies we can only say that the up-to-date poultry raiser, fancier, farmer or dairyman fully recognizes the importance of specially prepared foods—that his fowls may be good egg producers and have a fine appearance—that his dairy may produce the proper quantity and quality of milk, and finally that the returns may be satisfactory.

From the many foods and remedies offered we have selected those that have uniformly given entire satisfaction and when used as directed will increase your sales and profits.

COARSE POULTRY BONE—Consists of ground beef bone dried and free from grease; rich in Bone Phosphate of Lime; shell maker and bone builder. Pound, 10c; 4lbs., 25c; 100 lbs., \$5.00.

FINE GROUND BONE—Same as above, but ground finer for little chicks. Price as above.

MEAT MEAL—Made from cooked beef scraps, thoroughly dried and ground. Especially useful for fattening poultry for market. Price: Per lb., 10c; 3lbs., 25c; 100 lbs., \$6.50.

FINE GROUND DRIED BLOOD—A highly concentrated food for hens. Makes them lay more eggs—in fact, keeps them busy all the year round. A great help during the moulting season. Should always be mixed with other foods in the proportion of 15 to 1. Pound, 10c; 100 lbs., \$9.00.

BEEF SCRAPS—Especially prepared for poultry food; feed three times a week, about a tablespoonful to each bird. Pound, 10c; 3 lbs., 25c; 100 lbs., \$7.00.

ADAMS' AMERICAN ROYAL BEEF SCRAP—Pound, 15c; 2 lbs., 25c; 100 lbs., \$10.00.

OYSTER SHELL GRIT—Shell former. 100 lbs., \$1.50; 500 lbs., \$1.35 per 100 lbs.

LIMA SMALL GRIT—Digester and tonic. 100 lbs., \$1.00; 500 lbs., 85c per 100 pounds.

CRISCO GRIT—Shell and Egg producer. 100 lbs., \$1.25; 500 lbs \$1.15 per 100 lbs.

MEDICATED NEST EGGS—Per doz., 60c.

BIRD SEED—If to be sent by mail, add 8 cents for postage. Our best mixed Bird Seed is put up according to the best formula for the health of birds, from the cleanest and choicest seeds. Special prices on larger lots.

Mixed Bird Seed, per lb. 25c; Canary Seed per lb. 30c; Hemp Seed per lb., 15c; Rape Seed per lb. 15c.



ADAMS' POULTRY FOOD

Scientifically compounded for young chicks, laying hens and fattening fowls.

Adams' Chick Food—For growing chicks.....	Per 100 lbs., \$4.00
Adams' Laying Food—For laying hens.....	Per 100 lbs., 4.00
Adams' Scratching Food—For laying hens.....	Per 100 lbs., 4.00
Adams' Developing Food.....	Per 100 lbs., 4.00
Adams' Forcing Food.....	Per 100 lbs., 4.00
Meal Alfalfa.....	Per 100 lbs., 4.00
Oil Meal—Ground.....	Per 100 lbs., 4.50
Flax Seed Meal.....	Per lb., 15c; Per 100 lbs., 12.50
Charcoal (Granulated)—An excellent corrective for the fowls, and keeps them healthy;	3 lbs., 25c; 100 lbs., 5.0

Pratts

Prices subject to change.

ANIMAL AND POULTRY REGULATORS AND REMEDIES

Postage and Express to be paid by purchaser.



12 lb. pail, \$1.75; 60c weight, 1½ lbs.

This is the original Poultry Regulator of America, in use by the most successful poultry raisers everywhere. It is a guaranteed egg producer, and when regularly used, hens lay throughout the year. It is a perfect digestive and tonic and will prevent chicken cholera, gapes, roup, rheumatism, expel worms, prevent leg weakness, egg eating. It also greatly improves turkeys, geese, ducks, pigeons and guineas—insuring quick, healthy growth. Price: 100 lb., bags, \$10.00; 25 lb., pails, \$3.00;

PRATTS BABY CHICK FOOD



This is one of the greatest Money Savers and greatest Chick-Savers ever placed on the market. Every man, woman or child who raises little chicks, turkeys, ducks and geese should try at least one package of Pratt's Baby Chick Food. It is a scientific food ration to be fed for the first three weeks. If you want real success with your hatches, if you want to save all the baby chicks, if you want them to grow fast—get Pratt's

Baby Chick Food on our recommendation for your first trial, after that you will never be without it. Prices on Application.

PRATTS POULTRY DISINFECTANT AND LICE KILLER

If poultry keepers would regularly spray the chicken houses, roosts, dropping boards and utensils with Pratt's Poultry Disinfectant most all their troubles would vanish. This great Disinfectant is a real wonder-worker in the poultry yard. Put up in 1-qt. 50c; 2 qts. 90c; 1-gallon cans, \$1.50.



PRATT ROUP REMEDY

(Tablets or Powder.)

Is a scientific preparation GUARANTEED to prevent and cure roup, colds, cankers, catarrh and diphtheria in chickens. In severe cases individual treatment with the tablets is the only sure method. For mild cases and as a preventive crush the tablets or use the powdered form, and mix in the drinking water. Sold in 25c, 50c and \$1.00 boxes.

PRATTS WHITE DIARRHOEA REMEDY—The cure that also prevents. Price: 50c and 25c.

PRATTS SORE-HEAD CHICKEN POX REMEDY—Confidentially recommended. Price: 50c and 25c.

PRATTS HEAD LICE OINTMENT—No chance for lice where this is used. Price: 25c.

PRATTS CONDITION TABLETS—A blue ribbon remedy for blue ribbon birds. Price: 50c and 25c.

PRATTS CHICKEN CHOLERA REMEDY—Claims to cure and does. Price: 50c and 25c.

PRATTS SCALY LEG REMEDY—Clean, healthy skin in one week. Price: 50c and 25c.



PRATTS LICE KILLER

(Powdered Form.)



It quickly and thoroughly kills all lice on little chicks, big chicks, setting hens, and incubator chicks. It rids horses, cattle, bogs, dogs and cats of lice, and destroys ticks on sheep. It destroys insects and bugs on vines, plants and flowers. A valuable deodorizer and disinfectant for all poultry houses, barns, stables, and dwellings. Drives out moths from closets, furniture, carpets and clothing. Price: 25c and 50c.

PRATTS ANIMAL REGULATOR

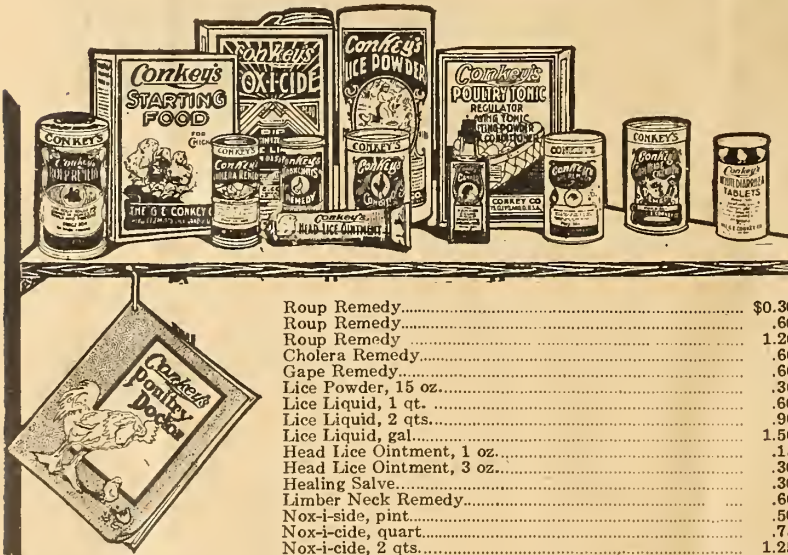
This is the original and pioneer Stock Regulator of America. It keeps horses well and strong, improves their wind, and makes their coat sleek and glossy. Cows give more and richer milk, the percentage of butter fat being increased, and their calves are strong and healthy. Steers fatten in half the time. Hogs are raised and fattened quickly and kept free from disease. Sheep are kept healthy, and their meat and wool improved by its use. Test it on our guarantee to do the work or money refunded. 25 lb. pails \$3.00...are popular with our customers; also in 50 and 100 lb. sacks and small packages.



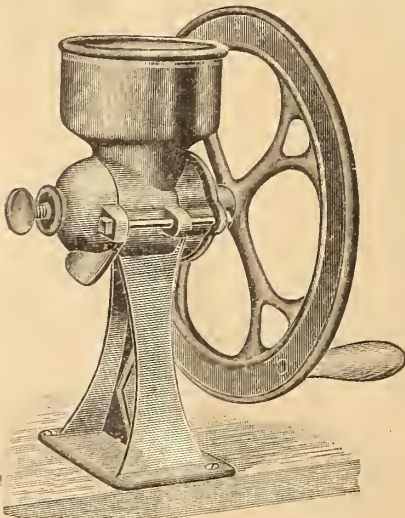
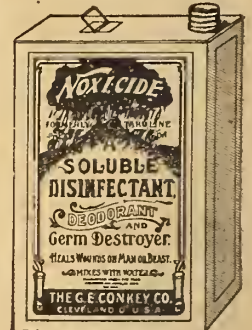
PRATTS GAPE REMEDY—Makes the gape worm let go. Price: 50c and 25c.

PRATTS RONCHITIS REMEDY—In a class by itself. Price: 50c and 25c.

PRATTS HEALING OINTMENT AND GALL CURE—Strongly antiseptic. Indispensable in household and stable. In boxes. Price: 50c and 25c.



Roup Remedy.....	\$0.30
Roup Remedy.....	.60
Roup Remedy.....	1.20
Cholera Remedy.....	.60
Gape Remedy.....	.60
Lice Powder, 15 oz.....	.30
Lice Liquid, 1 qt.....	.60
Lice Liquid, 2 qts.....	.90
Lice Liquid, gal.....	1.50
Head Lice Ointment, 1 oz.....	.15
Head Lice Ointment, 3 oz.....	.30
Healing Salve.....	.30
Limber Neck Remedy.....	.60
Nox-I-side, pint.....	.50
Nox-I-side, quart.....	.75
Nox-I-side, 2 qts.....	1.25
Nox-I-side, gal.....	2.00
Fly Kicker, qt.....	.75
Fly Kicker, 2 qts.....	1.25
Fly Kicker, gal.....	2.00



THE MODEL GRINDING MILL

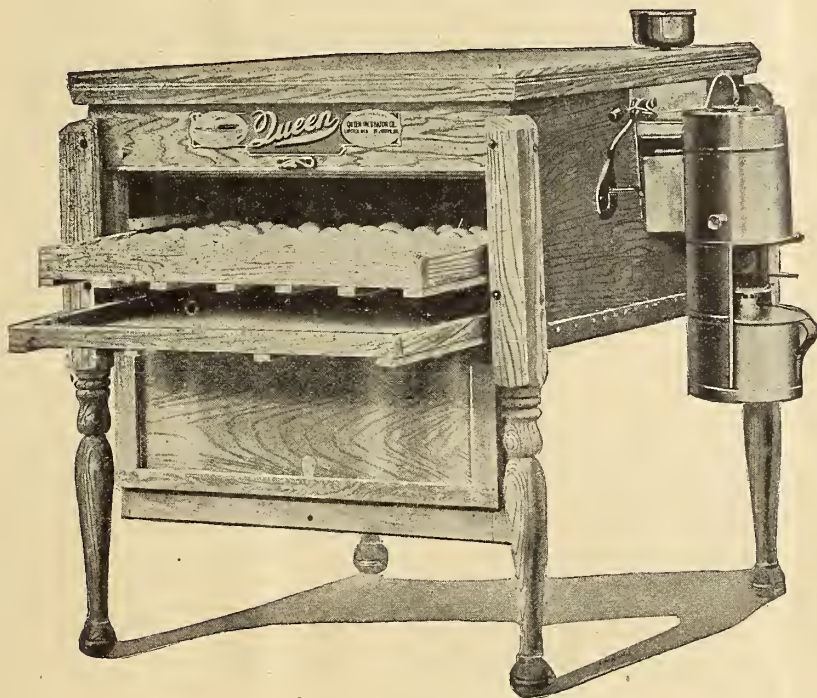
The primary object of these mills is to grind all kinds of feed for chickens and other domestic fowls and animals.

An improved Hand Power Grinding Mill of new and elegant design, compactly made of strong and durable metal.

Their capacity is about as follows, depending on the condition of the grain or fineness of the meal:

No. 1, 1/2 to 1 bushel per hour.....	Weight 20 lbs., \$4.00
No. 2, 3/4 to 1 1/2 bushels per hour.....	35 lbs., 6.00
No. 3, 1 to 2 bushels per hour.....	63 lbs., 8.00

INCUBATORS IN SIZES FROM 60 TO 2000 EGGS



Queen incubators are built to MAKE you money, instead of lose it. At the prices which poultry and eggs command on the market today, you cannot afford to experiment or fool with cheaply made incubators and brooders. The number of eggs that a cheap machine will lose for you will mean a loss of quite a little money to you at the end of a year.

Look ahead to the time when you should have a nice flock of chicks ready for a good market to show for your season's work, and think what the loss to your profits would be if you had used an incubator that failed to hatch from 25 per cent to 50 per cent of the fertile eggs set. This would mean the loss of one fowl, or from 50 to 75 cents, for each egg that was not hatched.

When you buy a Queen incubator, you are sure of the RIGHT kind of results. You can depend upon it to hatch every hatchable egg, because it is built to provide the natural conditions which surround the egg hatched under the hen, and is built UP to a standard, and not down to a price.

It should be remembered, also, that an incubator should be judged, not alone from the number of chicks it hatches, but also by the health and strength of those hatched. Queen chicks are 10 per cent stronger than those hatched in cheaply built machines. If you have a Queen, you can see results and profits to yourself with a certainty impossible with others.

The Queen incubator is guaranteed to hatch every hatchable egg; to be complete and perfect in every detail; simple in operation; thoroughly tested and in perfect working order. The Queen hot water system eliminates the injurious drying-

out tendency found in all air machines and the secret of the strong chicks is the scientific system of ventilation used.

The Queen maintains an even temperature in EVERY part of the egg chamber, is regulated by the most sensitive of double disc water thermostats, and, in case the lamp should accidentally go out, the heat stored in the hot water will keep the eggs warm for many hours in the coldest weather.

The Queen is made with two walls of California Redwood with four layers of corrugated strawboard between for proper insulation. The pipes and tank are made of pure cold rolled copper with all joints and seams double locked, hand hammered, and soldered, and this means NO LEAKS.

No. 0—60 egg size.....	\$10.80
No. 1—85 egg size.....	17.55
No. 2—135 egg size.....	24.75
No. 3—180 egg size.....	29.25
No. 4—275 egg size.....	38.25
No. 5—400 egg size.....	47.25
No. 25—550 egg size.....	67.50

Queen Indoor Lamp-Heated Brooder.

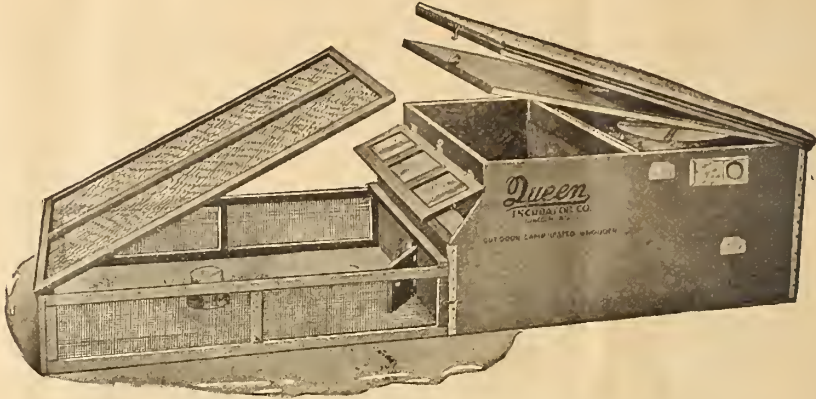
No. 7—125 Chick size.....	16.20
No. 8—165 Chick size.....	18.00
No. 9—250 Chick size.....	19.80

Queen Outdoor Lamp-Heated Brooder.

No. 10—125 Chick size.....	\$24.75
No. 11—165 Chick size.....	27.00
No. 12—250 Chick size.....	29.25

Queen Colony Brooder.

No. 1—600 Chick size.....	\$17.00
No. 2—1200 Chick size.....	21.00



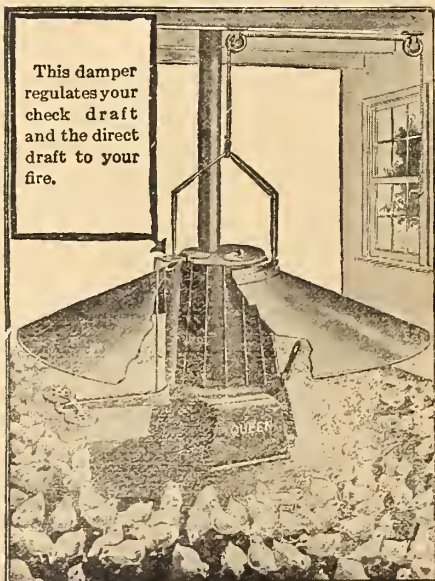
QUEEN OUTDOOR LAMP-HEATED BROODER

BROODERS IN SIZES FROM 125 TO 1200 CHICKS

One of the most serious questions that confronts the poultry raiser is that of properly brooding the chicks until they are past the danger state. The tiny chick must have adequate protection, both from vermin and cold, in order that it may grow up into profit. Where there is no mother hen to brood the chicks, they must have a machine which, as nearly as possible, fills the mother hen's place.

Queen brooders are built to meet just these requirements. The case is built of one inch, thoroughly seasoned lumber and will last for an indefinite time. All heating and ventilating systems are made upon the most scientific principles with the one idea, **SATISFACTION**, and the best of results is assured. If you want to raise your chicks for the most profit, try the Queen.

PRICES ON PAGE 49.



Queen Colony Brooders

The Mechanical Hen with 52-inch Hover and Automatic Regulator. Adapted to Both Chicks and Ducks.

For the poultry raiser who is so situated that he can use a coal burning hover, the QUEEN colony brooder is an ideal purchase. The heater is all cast iron; there are no parts to break or rust. The firepot will hold enough coal to keep the fire going twenty-four hours.

The hover is a fifty-two inch dome, substantially built of galvanized iron and will comfortably take care of large or small flocks; the beginner can start with fifty or less and gradually expand until raising several hundred at one time without increasing his operating expenses. The cost is about 5c per day.

The construction of the QUEEN outfit with unusual slant to the hover does not permit a roosting place for ambitious chicks; no part of the heater is exposed, no flat surfaces for the chick to alight upon, consequently no burning of toes. The automatic regulator, tandem type, with double compound wafers is sensitive, accurate, and reliable.

The chicks must be kept right if they are to make you money, and the QUEEN colony brooder mothers them to perfection. The secret is in the system of fresh warmed air, keeping the backs of the baby chicks always warm. Write for fuller description and prices.

Send for The Big FREE Incubator and Brooder Catalogue

**LEG BANDS**

LEG BANDS—Made of aluminum, adjustable to to fit any fowl; in two sizes, 3-inch and 4-inch.

12 for.....	15c
25 for.....	30c
50 for.....	50c
100 for.....	postpaid, 90c

The use of the
PLANTER
Patent
Seed Corn Grader

In sorting your Seed Corn
Insures accuracy of the
drop.

Insures more perfect
stand.

Increases the yield.



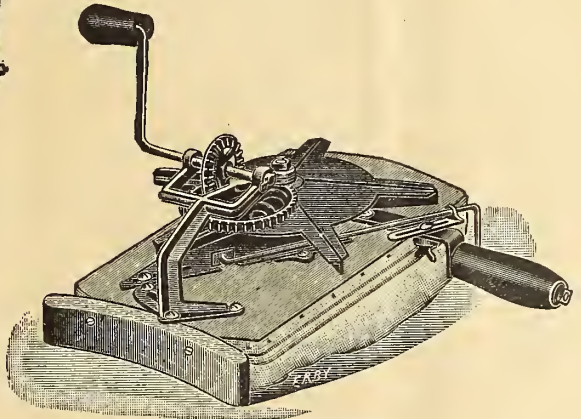
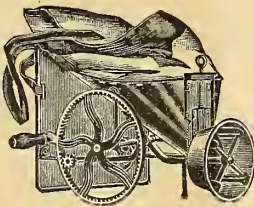
\$1.00 each



LITTLE GIANT has the same gearing as the Cyclone, but is smaller. The best cheap machine on the market. \$1.75 each.

HAND SEED SOWERS

THE CYCLONE SEEDERS are the lightest running and best sowing machines on the market. They have Iron Frames, Malleable Brace, Force Feed, Pressed Tin Distributing Wheel, and the stirrer is the most effective feeder placed on any machine, the strongest, prettiest and best seeder made. \$2.00 each.

**CYCLONE SEEDER****CAHOON SEEDER**

CAHOON'S HAND BROADCAST SEEDER—For sowing wheat, oats, hemp, rye, buckwheat, flaxseed, grass seed, etc. The hand machine, at the common walking gait, sows from six to eight acres per hour. It sows equally well in the face of the wind; it is attached to the body by a strap over the shoulder and turned by a crank in the right hand. \$5.00 each.

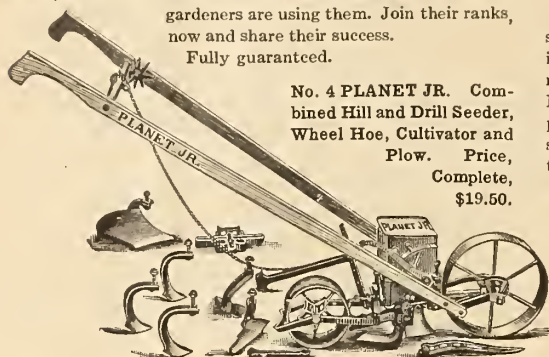
**Ask for Prices on Adams' Superior
Lawn Grass Seeds and Lawn Fertilizers.**

PLANET JR. FARM AND GARDEN TOOLS

Planet Jr. Catalogue FREE. Write for it.

You can't afford to farm without Planet Jr. Tools. They do the work of three to six men—do it better, give bigger results, and last a life-time. Over two million farmers and gardeners are using them. Join their ranks, now and share their success.

Fully guaranteed.



No. 4 PLANET JR. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow. Price, Complete, \$19.50.

No. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER

This combination is intended for gardeners who have a large enough acreage in crops for a double wheel hoe to be used to good advantage, and yet prefer not to buy seeders and wheel hoes separately; and for the family garden where a double wheel hoe is preferred.

As a seeder it is practically the same as the Planet Jr. No. 4 and as a wheel hoe has the same steel frames and cultivating attachments as the Planet Jr. No. 12 Double Wheel Hoe.

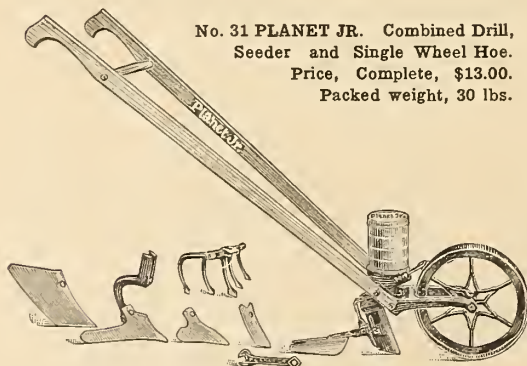
No. 4 PLANET JR. COMBINED HILL AND DRILL SEEDER

This accurate, durable and easy-running tool sows all garden seeds from the smallest up to peas and beans in hills, 4, 6, 8, 12 inches apart, or in drills at the proper thickness and depth; rolling down and marking out the next row all at one passage. No time is lost. No seed is wasted. By removing the seeder parts and substituting the tool frame, you have a first-class single wheel hoe with a set of specially hardened steel tools, the best made.

No. 4 D, HILL AND DRILL SEEDER—Same as above less the cultivating attachments. Price: \$15.50.



No. 25 PLANET JR. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow. Price, \$23.00.



No. 31 PLANET JR. Combined Drill, Seeder and Single Wheel Hoe. Price, Complete, \$13.00. Packed weight, 30 lbs.

No. 31 PLANET JR. COMBINED DRILL SEEDER

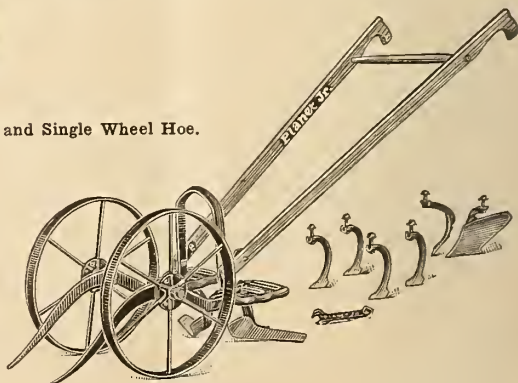
This new tool is of great value to gardeners who have never felt able to own either a seed drill or a wheel hoe. It will sow even a small packet of garden seed with great precision. Quickly changed to a splendid wheel hoe. A special machine for the small gardener.

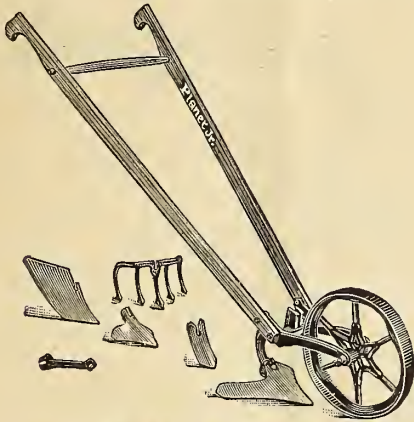
No. 12 PLANET JR. Double and Single Wheel Hoe. Price, \$12.50.

A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Has steel frames, and 14-inch steel wheels. The greatest hand-cultivating tool in the world.

No. 13 DOUBLE WHEEL HOE, Price, \$9.00.

This tool is the No. 12, with 6-inch hoes only, these being the tools that are most used. Any of the attachments shown with No. 12 may be added at any time.





No. 19 PLANET JR. Wheel Hoe. Price, \$6.25.

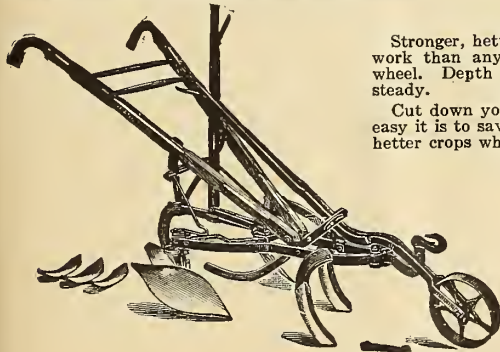
No. 9 HORSE HOE is an admirable tool which is identical with No. 7, except that it has a plain wheel instead of the lever wheel.

This tool has become popular because of its strength, lightness, easy change of width, and perfection of work, and while not so handy as a tool with a lever wheel, it is a favorite. All steels specially hardened and unbreakable.

The handles are adjustable in height and also sidewise, and the equipment as shown in the cut offers a tool which will always be useful.

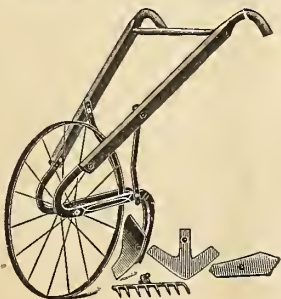
The Planet Jr. Combined Horse Hoe and Cultivator is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is easy to handle. One can cultivate to any width. Every part is perfected to make the tool accessible to the intelligent farmer's desires.

The wheel is the same diameter as our cast-iron wheel. The tire is pressed into position and electrically welded.



No. 8 PLANET JR. Horse Hoe. Price, Complete, \$20.00.

No. 90 PLANET JR., 12-Tooth Harrow, Cultivator and Pulverizer. Price, Complete, \$20.00.
No. 90B, Without Pulverizer, \$16.75.
No. 90D, Without Pulverizer or Wheel, Price, \$13.00.



72-Page Planet Jr. Catalogue Free.

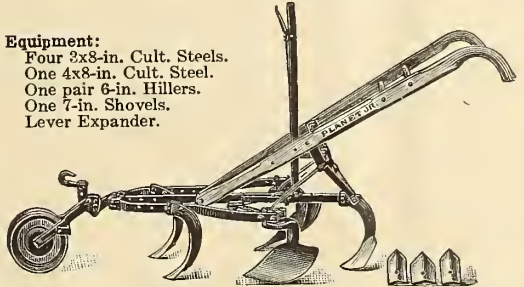
Describes 70 tools, including Seeders, Wheel Hoes, Horse Hoes, Harrows, Orchard and Beet Cultivators.

Write Postal for It.

No. 19—This Attractive Implement is especially designed for the farmer's garden work, though it offers to every one with either field or garden a cheap and effective tool for wheel-hoe operations. The high wheel makes easy running; the standard is slotted for depth regulation and an adjustable malleable piece carries any of the steels that go with the machine. The cultivating tooth does deep work and marks out rows for onion sets, plants, etc. The sweep is fine for level work. For wide rows go twice to the row as needed. The plow marks out furrows, covers them, and plows to or from the crop as wanted. Use the five prong attachment for both deep and shallow work. The great variety and fine shape and quality of the tools makes the implement light running and effective. It is strong, well made, and quickly adjusted. The height of the handles can be changed to suit man or woman, boy or girl.

Equipment:

Four 2x8-in. Cult. Steels.
One 4x8-in. Cult. Steel.
One pair 6-in. Hillers.
One 7-in. Shovels.
Lever Expander.



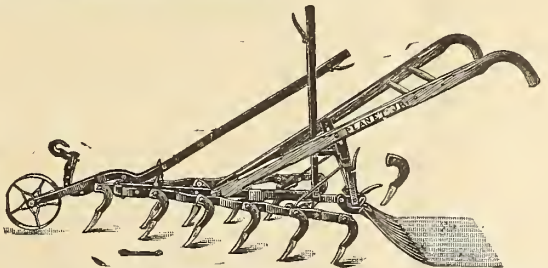
No. 9 PLANET JR., Horse Hoe. Price, with new Steel Wheel, \$17.25. Packed weight, 70 lbs.

No. 9D HORSE HOE (Without Wheel), \$15.00. Packed weight, 63 lbs.

NO. 8 PLANET JR.

Stronger, better made, and capable of a greater variety of work than any other cultivator made. Non-clogging steel wheel. Depth regulator and extra long frame make it run steady.

Cut down your living expenses. You'll be astonished how easy it is to save time, labor, and money, and get bigger and better crops when you use Planet Jr. Garden Tools.

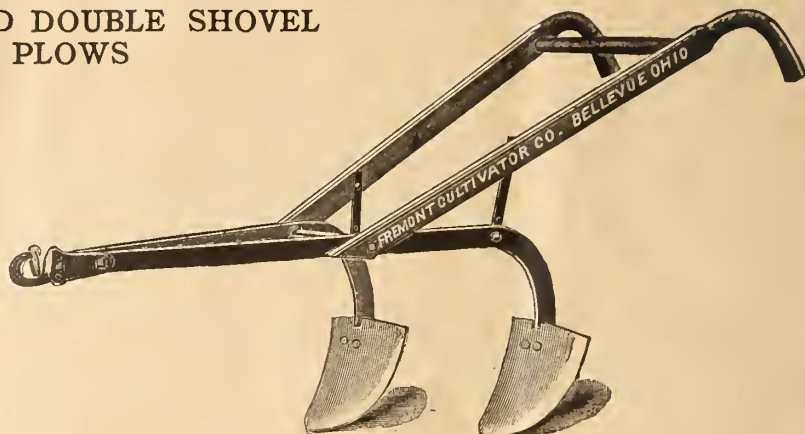


An invaluable tool in the market garden, truck and strawberry patches. Has new steel wheel which prevents clogging. Its 12 chisel-shaped teeth cut out all weeds, stir and mellow the soil and leave the ground in finest condition without throwing dirt on plants.

ADAMS CLIMAX CULTIVATOR

This Garden Cultivator has made a pronounced hit with the trade. The Climax is light, strong and durable and the 24-inch high wheel makes it exceedingly easy to handle. Equipped with rake and three styles of shovels which will serve any purpose desired. Weight, 23 pounds. Price, \$4.00.

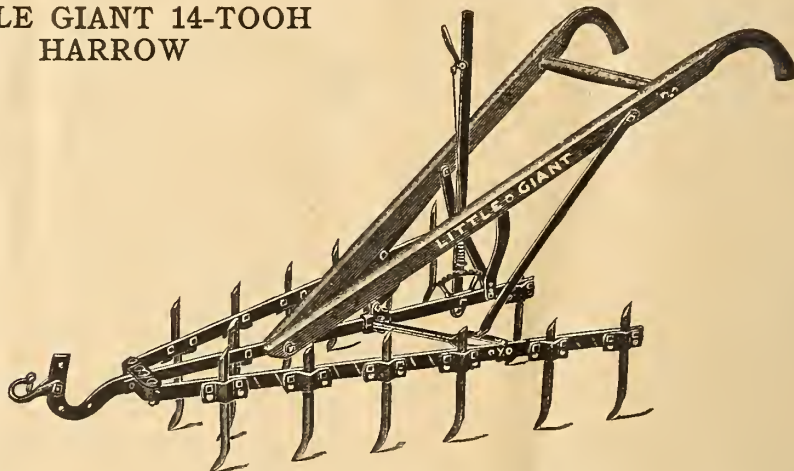
SINGLE AND DOUBLE SHOVEL PLOWS



The best Single and Double Shovel Plows made. Fitted with adjustable clevis.
Single Shovel, Wood Beam.....Each, \$4.50

Single Shovel, Iron Beam.....Each, \$4.50
Double Shovel, Iron Beam.....Each, 5.00
Double Shovel, Wood Beam.....Each, 4.50

LITTLE GIANT 14-TOOTH HARROW



14- Tooth Harrow, with lever.....Each, \$6.50
14-Tooth Harrow, with lever and wheel.....Each, 7.00

5-Tooth Cultivator, with lever.....Each, 6.50
5-Tooth Cultivator, with lever and wheel.....Each, 7.00

25c SPECIAL OFFER 25c

FOR GARDEN AND FLOWER SEED

We will send this Special 7-Packet Collection of Garden or Flower Seeds for 25c, postpaid, to any part of the U. S. A.

GARDEN SEEDS

- 1 Packet of Peas, Gradus.
- 1 Packet of Beans, Burpee's Stringless.
- 1 Packet of Cantaloupe, Rocky Ford.
- 1 Packet of Cucumber, Davis Perfect.
- 1 Packet of Corn, Stowell's Evergreen.
- 1 Packet of Beet, Crosbys' Egyptian.
- 1 Packet of Lettuce, Adams All Head.

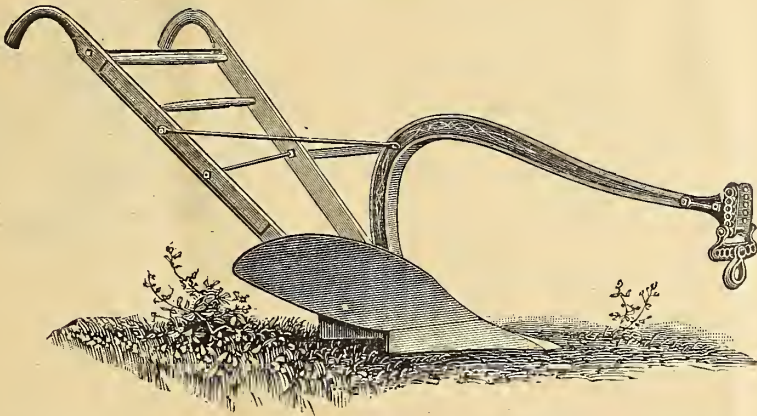
All these varieties have been tried and tested by our market gardeners for a number of years and will give you entire satisfaction.

FLOWER SEEDS

- 1 Packet Sweet Peas, Mixed.
- 1 Packet Pansy, Giant Mixed.
- 1 Packet Nasturtium, Dwarf Mixed.
- 1 Packet Nasturtium, Tall Mixed.
- 1 Packet Salvia, Bonfire.
- 1 Packet Petunia, Giant Mixed.
- 1 Packet Zinnias, Mixed.

In ordering these collections, please mention our Special Offer.

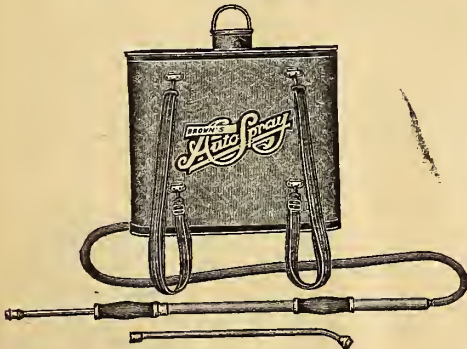
CANTON CLIPPER AND JOHN DEERE WALKING PLOWS



7-inch Pony Plow, wood beam.....	Each, \$6.50
8-inch Wood Beam.....	Each, 8.00
12-inch Steel Beam.....	Each, 22.00

14-inch Steel Beam.....	Each, 24 0+
50-Tooth Harrow, steel frame and lever.....	Each, 20.0+
60-Tooth Harrow, steel frame and lever.....	Each, 22.0+

AUTO SPRAY No. 5



This pump is the ideal all-purpose hand sprayer. Its field is practically unlimited as it may be used for spraying trees, vines, garden truck, potatoes and any field crops, and for handling whitewash and disinfectants.

It is made entirely of brass, doing away with all danger of corrosion.

The pump is double acting. This feature makes the spray continuous.

The pump cylinder is small in diameter and for that reason the operator can generate a high pressure with little labor. In an actual test this pump generated a pressure of 180 pounds per square inch, with ordinary effort.

To take the pump completely apart it is only necessary to unscrew the packing gland. The plunger complete can then be pulled out of the pump cylinder.

The nozzles were designed especially for use with this pump. With these nozzles the operator is able to get any variety of spray necessary; or for a long distance for trees; and a fine spray for all work near at hand, such as garden truck, hushes and potatoes. This nozzle will also handle whitewash.

The Auto-Spray No. 5 excels all other pumps in durability and simplicity. Because it is double acting it will do the same spraying that other pumps do, with half the labor.

Pump \$4.50. Complete with Knapsack, \$8.00.

LEGGITT'S LITTLE GIANT

Reg. U. S. Patent Office.

INSECTICIDE DUSTER

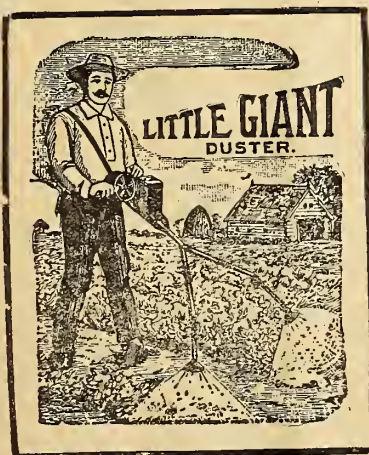
Thousands Being Used.

FARM, GARDEN, TOBACCO FIELDS, ETC.

Machine weighs 6 pounds; furnished with three 16-inch tubes, five nozzles and strap. Weight, cased about 15 pounds.

Capacity, about one quart. Runs entirely by gear. For low growing crops only.

Will green one or two rows of Potatoes, Tomatoes, etc., as fast as you walk. Adjustable to any width of row. Price, \$9.00.



"HARDIE" HAND SPRAY PUMP

THE "HARDIE" HAND SPRAY PUMP is made to fit either the side or top of the barrel. The cut shows the side mounting which has many advantages over the old method of mounting on the top of the barrel. It sets low and does not tip over or catch low branches of trees. These pumps are made in four sizes. They are constructed with all working parts of brass with brass ball valves and will stand up under the most severe usage. The pump can be removed from the barrel in ten seconds without the use of tools, but when in use is held rigidly in place.

Outfit No. 10 consists of one No. 4 pump, mounted on bucket with spray lance, hose and spray nozzle. This outfit is suitable for disinfecting or whitewashing chicken houses and spraying small trees or shrubbery. Price, complete, \$11.00. Send for special catalogue on power sprayers showing three types suitable for all classes of work. Make known your needs and let us quote you prices.

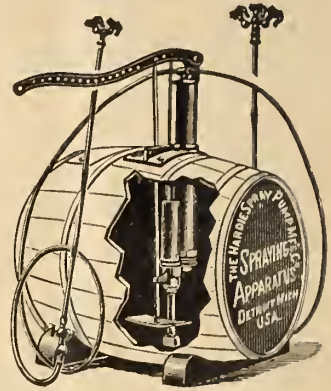
Pumps suitable for from twenty to thirty trees, capacity 50 gallons per hour. Price, pump only, No. 5, with iron air chamber, \$13.50.

Pump suitable for from thirty to seventy-five trees, capacity 75 gallons per hour. Price, pump only, No. 6, with iron air chamber, \$15.00.

Pump suitable for from one hundred to two hundred trees, capacity 120 gallons per hour. Price, pump only, No. 7, with iron air chamber, \$18.50.

Spraying Outfit No. 115, Pump No. 5, 15 ft. $\frac{1}{2}$ -inch hose and coupling, 8 feet brass lined bamboo rod, leakless stopcock, single Vapo Nozzle. Price, \$20.00.

Spraying Outfit No. 117. Pump No. 6, 15 ft. $\frac{1}{2}$ -inch hose and couplings, 10 feet brass lined bamboo rod, leakless stopcock, angle Vapo Nozzle. Price, \$24.00



' Spraying Outfit No. 119. Pump No. 7, 15 ft. $\frac{1}{2}$ -inch hose and couplings, 10 ft. bamboo rod, brass lined, leakless stopcock, angle Vapo Nozzle. Price, \$28.50.

EXTRAS.

Pumps Nos. 6 and 7 are suitable for use with two lines of hose, extra equipment for same consisting of 15 ft. $\frac{1}{2}$ -inch hose, 10 ft. bamboo rod and angle, Vapo Nozzle. Price, \$10.00.

When wanting large quantities of any of the above, write for special prices.

THE AUTO-SPRAY

No. 1 is the standard of all compressed air sprayers. It consists of a reservoir of about 4 gallons capacity made of heavy material, either of brass or galvanized steel as ordered. In this tank is inserted and locked our brass air pump which may be attached or detached by the simple shift of the cam. To this reservoir is attached a lead of discharge hose with customer's choice of any one of the shut-off attachments. To the shut-off is attached a nozzle, and the nozzle may also be operated in connection with the extension pipe or elbow.

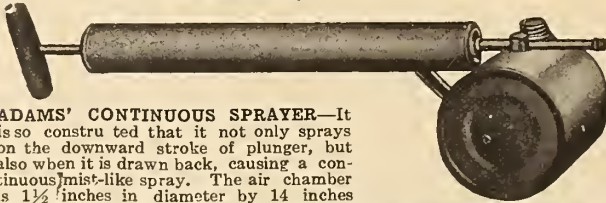
PRICES.

"Auto-Spray" No. 1A, Brass Tank, with Stop-Cock.....\$7.50
 "Auto-Spray" No. 1B, Brass Tank, with Auto-Pop No. 1... 8.50
 "Auto-Spray" No. 1C, Galvanized Tank, with Stop-Cock... 6.50
 "Auto-Spray" No. —, Galvanized Tank, with Auto-Pop.... 7.50

Hose, all kinds; spray nozzles and rods. Prices on application.



The New No. 3 Lightning Single Tub Sprayer



ADAMS' CONTINUOUS SPRAYER—It is so constructed that it not only sprays on the downward stroke of plunger, but also when it is drawn back, causing a continuous mist-like spray. The air chamber is $1\frac{1}{2}$ inches in diameter by 14 inches long, has $\frac{1}{2}$ -inch steel plunger rod; special type plunger. Solution tank is made from heavy IX tin and is so constructed that the sprayer will not tip over when filling. Capacity, one quart. Price, 90c.



ADAMS' POWDER SPRAYER—The only powder sprayer on the market that will spray paris green, slug shot, etc., satisfactorily. Price, 90c.



The accompanying cut shows our new No. 3 Single Tube Tin Sprayer. The plunger barrel measures 18 inches in length, the reservoir holds about one quart and is provided with a screw cap filling hole. This sprayer is made with single tube which produces a large and even mist-like spray. The suction tube is protected with a band brace and the plunger is provided with our patent spring expander which prevents the plunger leather from becoming wrinkled or getting out of shape. The sprayer is adapted for all kinds of spraying purposes and is used largely for spraying disinfectants, etc. Price, 50c.

For Spraying and Fumigating in Greenhouses Use "NICO-FUME"

"NICO-FUME" PAPER—Sheets of paper treated with high-strength refined nicotine solution. Especially suitable for fumigation of cut flowers, to destroy aphids and thrips. Very convenient. Eight to ten sheets fumigate 16,000 cubic feet of space.

"NICO-FUME" LIQUID—A highly refined solution of free nicotine—exceptionally pure. Guaranteed 40% nicotine. Used by florists for spraying; also for fumigating on hot steam pipes, pans, etc. Destroys aphids and thrips, etc.

APHIS PUNK—Per can of 12 sheets, 60c, per case, 12 cans, \$6.50

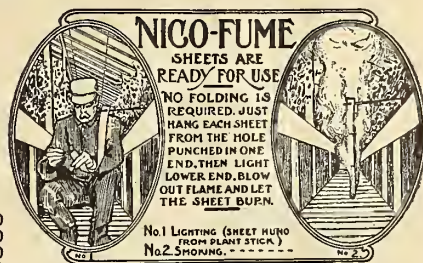
PRICES.

"Nico-Fume Paper."

24 Sheets.....	\$0.85
144 Sheets.....	4.00
288 Sheets.....	7.50

"Nico-Fume" Liquid.

1/4-lb. Tin.....	\$0.50
1-lb. Tin.....	1.50
4-lb. Tin.....	5.50
8-lb. Tin.....	10.50



"BLACK LEAF 40"

NICOTINE SULPHATE, 40% Nicotine—This is the insecticide that is so highly recommended by Experimental Stations. It destroys Aphis (plant lice), Thrips, Leaf-hoppers on all tree, hush and vine fruits, vegetables, field crops, flowers and shrubs; also Apple Red Bug, Pear Psylla and similar soft-bodied sucking insects—all without injury to foliage.

May be combined with other sprays. Highly concentrated. Soluble in water—easy to mix—does not clog nozzle.

You can not go wrong by ordering "Black Leaf 40" for sucking insects.

PRICES.

1-oz.....	\$0.25
Makes 6 gallons spray.	
1/2-lb.....	.75
Makes 40 to 120 gallons spray.	
2-lb.....	2.50
Makes 160 to 500 gallons spray.	
10-lb.....	10.75
Makes 800 to 2,500 gallons spray.	



BUG DEATH SAVES YOUR CROPS

The most deadly insecticide—yet harmless to plants. Contains no Paris Green or Arsenic—does not burn, prevents blight. Has saved millions of dollars for farmers in the past 15 years. Equally effective on Potatoes, Squash, Cucumbers, Melons, Vines and Shrubbery.

PREVENTS BLIGHT ON ALL CROPS

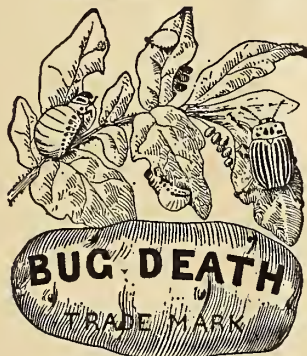
Don't experiment—buy right this time—get "Bug Death." Easily applied as dry powder with our "Dickey Duster" (price, 40c)—or for spraying mixture. Also effective on shade and fruit trees.

Pound, 20c; 3 lbs., 50c; 5 lbs., 75c; Booklet with full directions sent with every order.

Poison must be sent by Express or Freight.



PRICE, 40c



Pat. March 16 and Nov. 9, 1897.

Pat. in Canada Nov. 2, 1897,
and Jan. 25, 1900.

FERTILIZERS

Land Plaster or Gypsum.....	100 lbs.	\$1.00
Nitrate of Soda.....		9.00
Pure Bone Meal.....		5.00
Odorless Blood Meal.....		9.00
Truckers' Fertilizers.....		2.50
Bone Dust.....		3.50

Special Lawn Fertilizer.....	25 lbs.	50 lbs.	100 lbs.
	\$1.00	\$1.50	\$3.00
Sheep Manure, fine for lawns.....	.75	1.25	2.00

HAMMOND'S SLUG SHOT—To destroy potato bugs, rose lice and pests on tomato and egg plants, currant worms, cabbage lice and worms, flea beetles, melon bugs, engraver worms, and caterpillars on fruit and ornamental trees. Single lb., 20c; 5-lb., package, 50c. Printed instructions on every 5-lb., package.

Tobacco Dust—1-lb., 10c; 5 lbs., 40c; 100 lbs., \$5.00.



SAN JOSE DESTROYER AND INSECTICIDES.

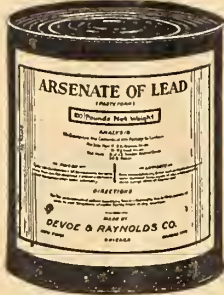
San Jose Scale is attacking orchards in this vicinity, and the rapidity with which it spreads makes it imperative that prompt action be taken if you would save them. This scale is a sucking insect and is not killed by poison, but by smothering, and the problem is to find the most effective remedy, not one that merely checks, but one that destroys. Lime Sulphur is the

only known remedy that kills or controls it. We handle this, manufactured by factories of the highest standing, and the only preparation required is to dilute with water 1 gallon lime sulphate to 10 gallons water. Care must be taken to cover every part of the tree, for if any scales are left untouched they multiply so rapidly that the tree is soon infested again.

PRICES SUBJECT TO CHANGE

Devoe Insecticides and Fungicides

INSURE YOUR GARDEN AND ORCHARD AGAINST BUGS



Devoe ARSENATE OF LEAD PULP FORM

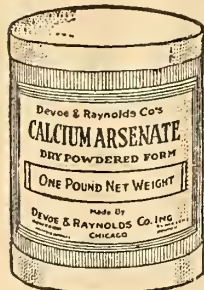
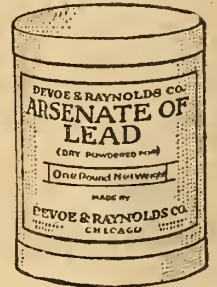
Paste Arsenate of Lead is better than government requirements in the matter of percentage of Arsenic Oxide. An effective insecticide chiefly for many of the Bugs, Worms and Moth that fruit growers have to contend with. It comes in paste form and can be easily mixed with water. It forms a milky film when sprayed on foliage which does not readily wash off with rain. Good for potatoes and tobacco and all kinds of fruit trees.

1 lb. Cans.....	\$.35	50 lb. Kegs	\$11.00
5 lb. Cans.....	1.60	100 lb. Kegs	20.00
12 1/2 lb. Kegs.....	3.15	1/2 Barrels (about 400 lbs.) per lb.....	.19
25 lb. Kegs	5.75	Barrels (about 600 lbs.) per lb.....	.18

Devoe ARSENATE OF LEAD Dry Powdered form

The Perfect Insecticide. An effective insecticide for leaf-eating insects and particularly suitable for very tender foliage. Due to the light, fluffy, character of this material and its adhesive qualities it insures quick and effective control. Under favorable conditions will not injure the foliage. Can be used on Apple, Pear, Peach, and Plum trees, Potatoes, Corn and Vegetables of all kinds that may be at attack, by leaf-eating insects.

1/2 lb. Cartons.....	\$.35	25 lb. Drums.....	\$10.00
1 lb. ".....	.65	50 lb. ".....	19.00
5 lb. ".....	3.00	100 lb. ".....	36.00
10 lb. Boxes.....	4.80	200 lb. Barrels.....	70.00



Devoe CALICUM ARSENATE Dry Powdered form

For the Control of Potato Bugs. Clacium Arsenate is a lighter, more fluffy powder than Arsenate of Lead or Paris Green—more bulky. When used dry, will dust more plants per pound, and when mixed with water will stay in suspension better and give you better and more uniform distribution. Lead Oxide in Arsenate of Lead has no insecticide or fungicide value; but Calcium Arsenate is made on a lime base which has fungicide value. Lime adheres perfectly to foliage; will not wash off easily and is white. For protection against the potato beetle, cabbage and tobacco worms.

1/2 lb. Cartons.....	\$.30	25 lb. Drums.....	\$ 8.25
1 lb. ".....	.55	50 lb. ".....	16.00
5 lb. ".....	2.50	100 lb. ".....	31.00
10 lb. Boxes.....	5.00	200 lb. Barrels.....	60.00

Devoe "SURE NOXEM" Dry Powdered form

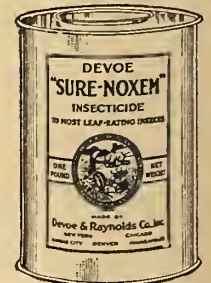
INSECTICIDE—TO MOST LEAF-EATING INSECTS

One of the best vegetables insecticides in use. Specially recommended for destroying worms and insects.

WHAT TO USE IT ON

Cabbage, Cauliflower, Tomato Plants, Cucumber Vines, Melon Vines, Currant Bushes, Gooseberry Bushes, Vegetables and Flowers of all kinds attacked by Leaf-eating Insects.

1 lb Sifter Top Cartons.....	\$.20	25 lb. Drums.....	\$ 2.35
5 lb. Packages.....	.55	50 lb. ".....	4.00
10 lb. Boxes.....	1.00	100 lb. ".....	7.00
300 lb. Barrels.....			\$18.00



WRITE FOR BOOK OF DIRECTIONS.

Devoe Insecticides and Fungicides

Insure Your Garden and Orchard Against Bugs



Devoe Pure Paris Green

ANALYSIS

Arsenious Oxide, combined with Copper, not less than 50.0%

Water Soluble Arsenic, not more than 3.5%

The Old Reliable and strong effective poison for Potato Bugs, Tobacco and other leaf-eating insects. Can be applied either dry or in a solution of water. DEVOE—the strongest and brightest Paris Green on the market.

FOR THE CONVENIENCE OF THE CONSUMER, WE PUT PARIS GREEN IN

1/4 lb Carton	25c	14 lb. Kits	\$ 7.70
1/2 lb "	40c	28 lb. "	15.25
1 lb. "	75c	100 lb. Kegs	51.00
5 lb. Cans	\$3.00	Arsenic Casks (about 250 lbs) @ 50c per lb.	

LIME and SULPHUR SOLUTION

GUARANTEED TO TEST 33 DEGREE BEAUME

A FERTILIZER, A SHEEP DIP, A FUNGICIDE. It is generally conceded that the best defense against SAN JOSE SCALE and kindred enemies of the orchard, is in spraying with a solution of Lime and Sulphur. The experimental stations and leading orchardists now generally recommend its use. To meet the growing demand for this remedy, we are now supplying the trade with Devoe Lime and Sulphur Solution. The two are perfectly combined, thus securing the largest percentage possible of Sulphide of Sulphur, the only form of sulphur of value as a spray. It is clear, free from insoluble matter, highly condenses and of great strength.



1/4 Gallon Cans	35c	5 Gallon Kits	\$3.50
1 Gallon Cans	95c	1/2 Barrels, (about 30 gallons)	22c per Gal.
		Barrels, (about 50 gallons)	20c per Gal.

Devoe BORDEAUX MIXTURE

Dry Powdered Form

FUNGICIDE

ANALYSIS

Combined in Copper	11.0%
Equivalent to Metallic Copper or Copper Oxide	14.0%
Inert Ingredients	89.0%

DIRECTIONS FOR USE

To Control Scale and Blight.—For all Fungoid diseases. The best Fungicide for curing or preventing Bloch, Rot, Mildew, Blight, Leaf Curl, Scab or other Fungoid diseases on fruit and plants, is used dry.

For Potatoes, dust without reduction, 4 to 5 pounds per acre (according to size of vines).

For Fruit Trees, dust after reducing one pound of DRY BORDEAUX with 20 lbs. of lime dust.

For Spray: To make the equivalent of 4-4-50 mixture, use eight pounds of DRY BORDEAUX MIXTURE to 50 gallons of water. For 5-5-50 mixture, use 10 pounds to fifty gallons of water.

1 lb. Cartons	35c	25 lb. Drums	\$6.25
5 lb. Cartons	\$1.50	50 lb. Drums	10.00
10 lb. Boxes	2.70	100 lb. Drums	18.00
		300 lb. Barrels	51.00

PRICES SUBJECT TO CHANGE



M A S T I C A FOR GLAZING GREENHOUSES

Its advantages over putty.

Mastica is elastic and tenacious and remains pliable for years and for this reason broken glass is more easily removed.

It also admits of the expansion and contraction of the greenhouse from moisture and heat.

Putty becomes hard and brittle, and cracks off under these conditions.

Price, gallon, \$2.00; 10 gallons, \$1.90 per gallon.



MASTICA MACHINE, Price \$2.00

P E R M A N I T E

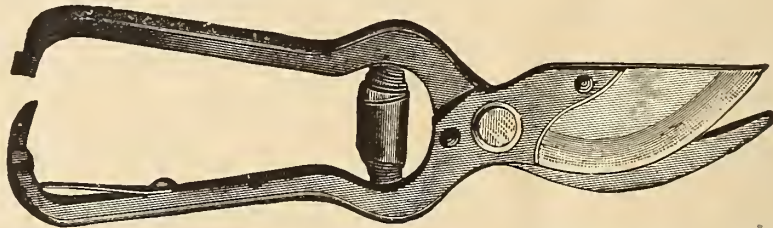
**An Ever-Elastic Compound for Glazing, Relining Gutters, Resurfacing
Roofs, and Repairing Leaks of all kinds**

Price, gallon, \$1.65; 5 gallons, \$1.60 per gallon.



**Permanite Machine
Price \$4.00**

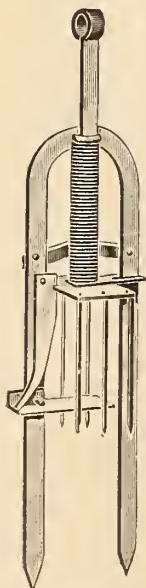
G A R D E N T O O L S



PRUNING SHEARS.....\$1.00



TROWELS.....\$0.40



Mole Traps

DIBBERS.....	\$0.45
HAZELTINE HAND WEEDERS.....	.40
LANG WEEDER.....	.35
EXCELSIOR WEEDERS.....	.35
COMBINATION WEEDER.....	.40
MOLE TRAPS.....	1.00
HAND CORN PLANTERS—Indispensible for filling in missing hills.....	2.50



Hand Corn Planter

Implements

MOWERS,

REAPERS,

BINDERS,

WIND MILLS,

GALVANIZED TANKS

Made to Order

Gasoline Engines,

Pumps,

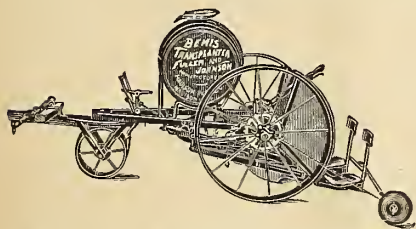
Buggies,

Farm and Spring Wagons

CALL ON US, AND WE WILL MAKE YOU CLOSE PRICES
AND SELL YOU ALMOST ANY IMPLEMENT
YOU MAY WANT

We also have special WAGON COVERS and HORSE COVERS for Gardeners
and others needing a cover that will keep out the rain.

BEMIS TRANSPLANTER



The First Successful Transplanter on the Market.
Thirty years of continued success.

You cannot afford to experiment with any other.

These machines will set plants better and the plants will thrive better and make a better crop than it is possible by hand planting. Wherever the transplanter has been introduced it has been speedily adopted by all the growers in that section, as it is a money maker and a money saver, doing away with all that backbreaking work which is incidental to hand transplanting.

All the growers in this section are using this machine. It will plant all kinds of plants—cabbage, sweet potatoes, tomatoes, etc. We also plant peas, beans, watermelon, canteloupe seed and Irish potatoes in fact it can be made to do so many different things that it surprises one. You can plant on the lever or any size ridge or any distance apart, the adjustment requiring only a few minutes. It is simple in construction and has no intricate part to get out of order.

As the machine is now made it is as near perfect as human ingenuity can devise. The machine will pay for itself in one year.

Prices on application. Come in and Let us Show You.

Mexican Chili Supplies

We are headquarters for all kinds of Mexican Chili supplies.

SPECIAL OFFER, POSTPAID.

2 lbs., Chilibeans	} \$1.00	2 lbs., Chili beans	} 50c
1 pkg. Large Chili peppers.			
1 pkg. Quin pins.			
1 pkg. Comino.		1 pkg. Chili powder	
1 pkg. Oregano or Mexican Sage.			
1 pkg. Garlic.			

DIRECTIONS FOR MEXICAN DISHES

CHILI CON CARNE RECIPE—About ten ($\frac{1}{4}$ lb.) chili peppers, Chopped fine without the seed. One teaspoonful chili quin pins, one teaspoonful Comino, one teaspoonful Oregano, four small pieces of garlic. Two pounds of boiling beef, chopped fine, and a small piece of suet. Mix all together add a little water and boil until thoroughly done.

Cook two pounds of beans separately as follows—Soak the beans over night in water, to which a little baking soda has been added, pour off the old adding fresh water, salt, and some lard or a piece of bacon. Boil until tender. Use a teaspoonful of celery seed and a teaspoonful of white mustard seed for seasoning if desired.

When serving put the beans into a dish first and then pour the chili over them. Always serve hot. **CHILI CON CARNE RECIPE**—When using our Special Make Chili Powder omit the chili peppers, quin pins, comino, oregano and garlic as the powder contain' these ingredients. A great many of our customers prefer using the powder as it is much easier to use and it is as satisfactory.

MEXICAN TAMALES

MEXICAN TAMALES.—Three pounds of beef, boil in a little water, two-thirds done, grind the boiled beef as fine as possible; season with pepp3rs, comino, oregano, etc., the same as for Chili Con Carne, and add a little salt; scald about three pounds of corn meal with the broth which the meat was boiled in. Have your corn shucks soaking in warm water. Spread a thin layer of meal paste over the inside of shuck, a small roll on the seasoned meat (size of pencil) over the center of the meal paste; roll up carefully; fold end of shuck; place them in steamer (not in water) and allow to cook by steam until meal is thoroughly done. Always serve hot from the steamer. Follow directions carefully and your Tamales will be perfect.

More or less of the seasoning may be used with both ChiliConCarne and Tamales if the taste requires it.

CHILI COLOROW

Take the contents of a three-pound can of tomatoes, add three tablespoonfuls of granulated sugar, one onion chopped fine, season with peppers, comino, oregano, etc., the same as for Chili Con Carne; add a little salt and allow to stew from 20 to 30 minutes; add a little water if too dry.

Always serve hot.

Remember that our Eagle Chili Powder and our Chiltomaline, are perfect articles for seasoning all kinds of Meats, Gravies, Hash, Soups, Stews, and Cooked Vegetables.

PRICE LIST OF SUPPLIES

All items 10c per packet except where noted.

Mexican Chili peppers pods, 15c per pkt.

Mexican Chili pepper ground, 15c per pkt.

Mexican Chili powder (Our Make), 15c per pkt.

Paprika 15c per pkt.

Comino seed

Oregano or Mexican Sage

Quin Pins or Red Hots

Poppy Seed

Lavender Flower

Chili beans 15c per $\frac{1}{2}$ lb., or 2 lbs., for 25c.

Coriander seed

Bay Leaves

Mustard Seed

Celery Seed

Caraway Seed.

Mixed Spice

New Garlic.

Gebhardt's Chili Powder, 25c.

Gebhardt's Chili Powder, 50c.

Write for special prices on large quantities.

USEFUL TABLES

AVERAGE QUANTITY OF SEED SOWN TO AN ACRE.

In Drills.	
	Bushels.
Dwarf Beans.....	1 1/4
Early Peas.....	1 1/2
Marrowfat Peas.....	1 1/4
Pounds.	
Beets.....	4 to 5
Carrots.....	2 to 3
Onions.....	4 to 5
Onions for Sets.....	50 to 70
Onion Sets.....	8 to 10
Bushels.	
Potatoes (cut tubers).....	8
Pounds.	
Parsnips.....	4 to 5
Radishes.....	6 to 8
Rutabagas.....	1 to 1 1/2
Spinach.....	20 to 30
Salsify.....	6 to 8
Turnip.....	1 to 1 1/4

In Hills.	
Pole Beans.....	12 to 15
Corn.....	8 to 10
Cucumbers.....	2 to 3
Muskmelons.....	2 to 3
Watermelons.....	3 to 5
Pumpkins.....	5 to 6
Squash.....	4 to 5

QUANTITY OF SEED REQUIRED FOR A GIVEN NUMBER OF HILLS.

	Hills.
Pole Beans.....	1 qt. to 50
Corn.....	1 qt. to 200
Cucumbers.....	1 oz. to 125
Watermelons.....	1 oz. to 40-50
Muskmelons.....	1 oz. to 75-100
Pumpkins.....	1 oz. to 60-90
Squash.....	1 oz. to 60-80

QUANTITY OF SEED REQUIRED FOR A GIVEN NUMBER OF PLANTS.

	Plants.
Asparagus.....	1 oz. 500
Cabbage.....	1 oz. 2,000
Cauliflower.....	1 oz. 2,000
Celery.....	1 oz. 2,500
Leek.....	1 oz. 1,500
Endive.....	1 oz. 3,000
Egg Plant.....	1 oz. 1,000
Lettuce.....	1 oz. 3,000
Pepper.....	1 oz. 1,000
Tomato.....	1 oz. 1,500
Thyme.....	1 oz. 4,000
Sage.....	1 oz. 1,000
Savory.....	1 oz. 2,000
Marjoram.....	1 oz. 1,500
Rhubarb.....	1 oz. 500

QUANTITY OF SEED REQUIRED FOR A GIVEN LENGTH OF DRILL.

	Feet.
Asparagus.....	1 oz. 60
Beet.....	1 oz. 50
Beans, Dwarf.....	1 qt. 100
Carrot.....	1 oz. 100
Endive.....	1 oz. 100
Okra.....	1 oz. 40
Onion.....	1 oz. 100
Onion Sets.....	1 qt. 20
Parsley.....	1 qt. 125
Parsnips.....	1 oz. 150
Peas.....	1 qt. 100
Radishes.....	1 oz. 75
Salsify.....	1 oz. 70
Spinach.....	1 oz. 75
Turnip.....	1 oz. 150

TABLE SHOWING THE AMOUNT OF SEED NECESSARY FOR AN ACRE, AND THE NUMBER OF POUNDS TO THE BUSHEL.

	No. lbs. to bu.	No. lbs. to acre.
Red Clover.....	60	12 to 15
White Dutch Clover.....	60	5 to 8
Alfalfa.....	60	20 to 30
Esparsette.....	24	40 to 45
Alsike Clover.....	60	5 to 8
Timothy.....	45	10 to 15
Hungarian.....	48	24 to 36
Millet.....	50	25 to 50
Red Top.....	14	10 to 15
Orchard Grass.....	14	28 to 42
Kentucky Blue Grass.....	14	14 to 42
Johnson Grass.....	25	25 to 30
Fine Mixed Lawn Grass.....	14	40 to 70
Hemp.....	44	30 to 60
Flax.....	56	28 to 42
Buckwheat.....	52	25 to 50
English Blue Grass.....	24	22 to 28
Oats.....	32	32 to 96
Barley.....	48	65 to 96
Corn.....	56	8 to 10
Rye.....	56	56 to 72
Wheat.....	60	60 to 90
Sugar Cane.....	50	6 to 8
Sugar Cane, broadcast.....	50	50 to 75
Peas, Field.....	60	90 to 120

TABLE SHOWING THE NUMBER OF PLANTS OR TREES TO THE ACRE OF GIVEN DISTANCE.

Dist. Apart.	No. Trees.
1 foot.....	43,500
1 1/4 feet.....	19,360
2 feet.....	10,890
2 1/2 feet.....	9,960
3 feet.....	8,440
4 feet.....	2,722
5 feet.....	1,722
6 feet.....	1,210
9 feet.....	567
12 feet.....	302
15 feet.....	193
18 feet.....	134
21 feet.....	98
24 feet.....	75
27 feet.....	59
38 feet.....	40

TIME REQUIRED FOR VEGETABLES TO BE READY FOR USE

Beans, Dwarf.....	40 to 50 days	Melons, Water.....	70 to 90 days
Beans, Pole.....	80 to 100 "	Cantaloupe.....	65 to 80 "
Cabbage, Early.....	70 to 80 "	Okra.....	50 to 60 "
Cabbage, Late.....	100 to 120 "	Parsley.....	70 to 80 "
Carrots.....	60 to 70 "	Onions.....	80 to 115 "
Cauliflower.....	70 to 100 "	Peas.....	50 to 75 "
Celery.....	110 to 150 "	Parsnips.....	80 to 90 "
Corn, Sweet, Early.....	60 to 70 "	Radish, Summer.....	22 to 45 "
Corn, Sweet, Late.....	75 to 90 "	Salsify.....	90 to 100 "
Cucumbers.....	65 to 80 "	Spinach.....	45 to 60 "
Egg Plant.....	120 to 130 "	Tomato.....	90 to 120 "
Kale.....	50 to 65 "	Turnip.....	60 to 90 "
Lettuce.....	40 to 50 "		

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FREE

We will give the following collection of either flower or garden seeds,* (providing you mention same when ordering), with every order amounting to \$1.50 or over. Please mention whether flower or garden seeds are preferred.

Flower Seeds.

- 1 pkg. Dwarf Nasturtium Mixed.
- 1 pkg. Sweet Peas Mixed.
- 1 pkg. Zinnia Mixed.
- 1 pkg. Marigold Mixed.
- 1 pkg. Mignonette.

Garden Seeds.

- 1 pkg. Cantaloupe, Imp. Rocky Ford.
- 1 pkg. Cucumber, Davis Perfect.
- 1 pkg. Radish, Scarlet Turnip, W. T.
- 1 pkg. Tomato, Ponderosa.
- 1 pkg. Lettuce, Curled Simpson.

25c SPECIAL OFFER 25c FOR GARDEN AND FLOWER SEEDS

We will send this special 7-packet collection of Garden or Flower Seeds for 25c, postpaid to any part of the United States.

GARDEN SEEDS

- | | |
|---|--|
| 1 Packet of Peas, Gradus. | 1 Packet of Cucumber, Davis Perfect. |
| 1 Packet of Beans, Burpee's Stringless. | 1 Packet of Corn, Stowell's Evergreen. |
| 1 Packet of Cantaloupe, Rocky Ford. | 1 Packet of Beet, Crosby's Egyptian. |
| 1 Packet of Lettuce, Adams All Head. | |

All these varieties have been tried and tested by our market gardeners for a number of years and will give you entire satisfaction.

FLOWER SEEDS

- | | |
|-----------------------------------|----------------------------------|
| 1 Packet Sweet Peas, Mixed. | 1 Packet Nasturtium, Tall Mixed. |
| 1 Packet Pansy, Giant Mixed. | 1 Packet Salvia, Bonfire. |
| 1 Packet Nasturtium, Dwarf Mixed. | 1 Packet Petunia, Giant Mixed. |
| 1 Packet Zinnias, Mixed. | |

In ordering these collections, please mention our Special Offer.

As the Market Prices of Field Seeds are constantly changing we ask when wanting seeds in quantity that you ask in advance for prices, when we will quote as low as the market will afford. Sacks for Field Seeds, 65c each.



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